

# codex alimentarius commission



FOOD AND AGRICULTURE  
ORGANIZATION  
OF THE UNITED NATIONS

WORLD  
HEALTH  
ORGANIZATION



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**Agenda Item 6**

**CX/PR 02/6**  
**April 2002**

## **JOINT FAO/WHO FOOD STANDARDS PROGRAMME**

### **CODEX COMMITTEE ON PESTICIDE RESIDUES**

**Thirty-fourth Session**

**The Hague, The Netherlands, 13 - 18 May 2002**

### **DRAFT AND PROPOSED DRAFT MAXIMUM RESIDUE LIMITS IN FOODS AND FEEDS AT STEPS 7 AND 4**

This document contains the following:

- Explanatory Notes
- Table 1 List of Pesticides Whose Maximum Residue Limits or Guidelines Levels Have Been Withdrawn by the Codex Alimentarius Commission and for Which No MRLs Have Been Proposed
- Indices of Pesticides
- Part A.1 List of Maximum Residue Limits for Pesticides in Food and Animal Feeds (at various Steps of the Codex Procedure)
- Part A.2 List of Extraneous Maximum Residue Limits for Pesticides in Food and Animal Feeds (at various Steps of the Codex Procedure)
- Part A.3 List of Pesticides for Which Guideline Levels Have Been Set
- Annex 1 MRL Periodic Review Procedure

## EXPLANATORY NOTES

### 1. DATES OF ESTIMATION OF ACCEPTABLE DAILY INTAKES (ADIs), TEMPORARY ACCEPTABLE DAILY INTAKES (TADIs), PROVISIONAL TOLERABLE DAILY INTAKES (PTDIs) AND ACUTE REFERENCE DOSES (ACUTE RfD)

ADIs/PTDIs/Acute RfD The Year of estimation or confirmation is shown in parentheses.

TADIs The period from the year of estimation or most recent extension to the year by which data needed for the estimation of a full ADI are required is shown in parentheses.

### 2. QUALIFICATION OF MRLs

- (\*) (following MRLs) : At or about the limit of determination.
- E (following MRLs) : The MRL based on extraneous residues.
- EMRL (as heading) : Extraneous Maximum Residue Limit.
- F (following MRLs for milk) : The residue is fat soluble and MRLs for milk and milk products are derived as explained in the introductions to Volume 2 of the *Codex Alimentarius*.
- (fat) (following MRLs for meat) : The MRL applies to the fat of the meat.
- GL (as heading) : Guideline Level. GLs are elaborated by the CCPR up to Step 4 of the Procedure and held there pending "acceptable daily intakes" or "temporary acceptable intakes" being estimated for the pesticides in question by the JMPR. **GLs do not represent Codex recommendations.**
- Po (following (T)MRLs) : The MRL accommodates post-harvest treatment of the commodity.
- PoP (following (T)MRLs for processed foods (Classes D and E in the Classification)) : The MRL accommodates post-harvest treatment of the primary food commodity.
- T (following MRL) : The MRL is temporary, irrespective of the status of the ADI, until required information has been provided and evaluated.
- TMRL (as heading) : All MRLs are temporary because the ADI is temporary.

### 3. STEP NUMBERS

- CXL-D** : The CCPR decided to recommend to the Codex Alimentarius Commission to delete the CXL, pending decision by the Commission.
- 5/8** : The draft MRL is submitted to the CAC simultaneously at Steps 5 and 8 because the CCPR has recommended the omission of, or has already carried out, Steps 6 and 7.
- 7A** : The draft MRL is held at Step 7 only because the ADI is temporary. It will be submitted to the CAC at Step 8 as soon as a full ADI is estimated.
- 7B** : The draft MRL is held at Step 7 pending further consideration by the JMPR. After such consideration it will be returned to Step 6 for comments by Governments.
- 7C** : The draft MRL is held at Step 7 to await developments (other than review by the JMPR) upon which further action by the Committee is contingent. After such developments it will be returned to Step 6.
- (a) (following Step number) : The MRL is a proposed amendment to a CXL.

### 4. REFERENCES

References are normally given only for those MRLs which are due for further discussion within the CCPR. They are therefore given only exceptionally for MRLs which are CXLs or are at Step 8, 7A, or 5/8. References are indicated in the example shown below:

Commodity		(T)MRL (mg/kg)	Step	References	
No (1)	Name (1)			JMPR 69, 70 (2)(3)	CCPR 20.131: 21.172 (4)(5)

- (1) : Code Number and Name of Commodity - Reference to the Codex Classification of Foods and Animal Feeds (*Codex Alimentarius* Volume 2, Second Edition, Section 2).
- (2) : Year in which limit was first estimated. Note that it is not necessarily the year when the (T)MRL was first recommended, because the limit may have been recorded originally as a Guideline Level and converted to a (T)MRL when a (T)ADI was estimated.
- (3) : Year(s) of subsequent review(s) (of new or original data or both) unless the review resulted in a revised estimate.
- (4) : No of Session of CCPR at which recommendation was discussed. (The document numbers of the relevant reports are listed below).
- (5) : No of paragraph in CCPR report.

### 5. JMPR EVALUATIONS

- T : Toxicological Evaluation
- R : Residue Evaluation
- only year : Both toxicological and residue evaluations
- ' after year : Periodic Review

**6. REPORTS OF CCPR SESSIONS**

Session No.	Year	Document Reference No.	Session No.	Year	Document Reference No.
1	1966	ALINORM 66/24	18	1986	ALINORM 87/24
2	1967	ALINORM 68/24	19	1987	ALINORM 87/24A
3	1968	ALINORM 69/24	20	1988	ALINORM 89/24
4	1969	ALINORM 70/24	21	1989	ALINORM 89/24A
5	1970	ALINORM 71/24	22	1990	ALINORM 91/24
6	1972	ALINORM 72/24A	23	1991	ALINORM 91/24A
7	1974	ALINORM 74/24	24	1992	ALINORM 93/24
8	1975	ALINORM 76/24	25	1993	ALINORM 93/24A
9	1977	ALINORM 78/24	26	1994	ALINORM 95/24
10	1978	ALINORM 79/24	27	1995	ALINORM 95/24A
11	1979	ALINORM 79/24A	28	1996	ALINORM 97/24
12	1980	ALINORM 81/24	29	1997	ALINORM 97/24A
13	1981	ALINORM 83/24	30	1998	ALINORM 99/24
14	1982	ALINORM 83/24A	31	1999	ALINORM 99/24A
15	1983	ALINORM 85/24	32	2000	ALINORM 01/24
16	1984	ALINORM 85/24A	33	2001	ALINORM 01/24A
17	1985	ALINORM 85/24B			

**6. CLASSIFICATION OF USES**

1	Acaricide	12	Molluscicide
2	Aphicide	13	Miticide
4	Fumigant	14	Nematicide
5	Fungicide	16	Plant Growth Regulator
7	Herbicide	17	Rodenticide
8	Insecticide	18	Repellant
9	Insect Growth Regulator	20	Synergist
10	Ixodicide (for tick control)	21	Storage Scald Preventer
11	Larvicide	22	Scald Control Agent

## INDEX OF PESTICIDES IN ALPHABETICAL ORDER

- 177 ABAMECTIN  
95 ACEPHATE  
117 ALDICARB  
1 ALDRIN AND DIELDRIN\*\*  
134 AMINOCARB\*  
122 AMITRAZ  
79 AMITROLE\*  
163 ANILAZINE  
68 AZINPHOS-ETHYL\*  
2 AZINPHOS-METHYL  
129 AZOCYCLOTIN  
155 BENALAXYL  
137 BENDIACARB  
69 BENOMYL  
172 BENTAZONE  
178 BIFENTHRIN  
3 BINAPACRYL\*  
93 BIORESMETHRIN  
144 BITERTANOL  
47 BROMIDE ION  
4 BROMOPHOS\*  
5 BROMOPHOS-ETHYL\*  
70 BROMOPROPYLATE  
173 BUPROFEZIN  
139 BUTOCARBOXIM\*  
174 CADUSAFOS  
71 CAMPHECHLOR\*  
6 CAPTAFOL\*  
7 CAPTAN  
8 CARBARYL  
72 CARBENDAZIM  
96 CARBOFURAN  
9 CARBON DISULPHIDE\*  
10 CARBON TETRACHLORIDE\*  
11 CARBOPHENOTHION\*  
145 CARBOSULFAN\*  
97 CARTAP  
80 CHINOMETHIONAT  
12 CHLORDANE\*\*  
13 CHLORDIMEFORM\*  
14 CHLORFENVINPHOS  
15 CHLORMEQUAT  
16 CHLOROBENZILATE\*  
81 CHLOROTHALONIL  
201 CHLORPROPHAM  
17 CHLORPYRIFOS  
90 CHLORPYRIFOS-METHYL  
187 CLETHODIM  
156 CLOFENTEZINE  
18 COUMAPHOS\*  
19 CRUFOMATE\*  
91 CYANOFENPHOS\*  
179 CYCLOXYDIM  
157 CYFLUTHRIN  
146 CYHALOTHRIN  
67 CYHEXATIN  
118 CYPERMETHRIN  
169 CYROMAZINE  
104 DAMINOZIDE\*  
20 2,4-D  
21 DDT\*\*  
135 DELTAMETHRIN  
92 DEMETON\*  
73 DEMETON-S-METHYL  
164 DEMETON-S-METHYLSULPHON  
98 DIALIFOS\*  
22 DIAZINON  
23 1,2-DIBROMOETHANE\*  
82 DICHLOFLUANID  
24 1,2-DICHLOROETHANE\*  
25 DICHLORVOS  
83 DICLORAN  
26 DICOFOL  
130 DIFLUBENZURON  
151 DIMETHIPIN  
27 DIMETHOATE  
87 DINOCAP\*  
28 DIOXATHION\*  
29 DIPHENYL\*  
30 DIPHENYLAMINE  
31 DIQUAT  
74 DISULFOTON  
180 DITHIANON  
105 DITHIOCARBAMATES  
84 DODINE  
99 EDIFENPHOS\*  
32 ENDOSULFAN  
33 ENDRIN\*\*  
106 ETHEPHON  
107 ETHIOFENCARB\*  
34 ETHION  
149 ETHOPROPHOS  
35 ETHOXYQUIN  
108 ETHYLENE THIOUREA (ETU)\*  
184 ETOFENPROX  
123 ETRIMFOS  
85 FENAMIPHOS  
192 FENARIMOL  
109 FENBUTATIN OXIDE  
36 FENCHLORPHOS\*  
37 FENITROTHION  
185 FENPROPATRIN  
188 FENPROPIMORPH  
193 FENPROXYMATE  
38 FENSULFOTHION\*  
39 FENTHION  
40 FENTIN  
119 FENVALERATE  
202 FIPRONIL  
152 FLUCYTHRINATE  
165 FLUSILAZOLE  
41 FOLPET  
42 FORMOTHION\*  
175 GLUFOSINATE-AMMONIUM  
158 GLYPHOSATE  
114 GUAZATINE  
194 HALOXYFOP  
43 HEPTACHLOR\*\*  
44 HEXACHLOROENZENE\*  
170 HEXACONAZOLE  
176 HEXYTHIAZOX  
45 HYDROGEN CYANIDE\*  
46 HYDROGEN PHOSPHIDE  
110 IMAZALIL  
111 IPRODIONE  
131 ISOFENPHOS  
88 LEPTOPHOS\*  
48 LINDANE  
49 MALATHION  
102 MALEIC HYDRAZIDE  
50 MANCOZEB  
124 MECARBAM  
138 METALAXYL  
125 METHACRIFOS  
100 METHAMIDOPHOS  
51 METHIDATHION  
132 METHIACARB  
94 METHOMYL  
147 METHOPRENE  
52 METHYL BROMIDE\*\*\*  
186 METIRAM  
53 MEVINPHOS  
54 MONOCROTOPHOS  
181 MYCLOBUTANIL  
140 NITROFEN\*  
55 OMETHOATE  
126 OXAMYL  
166 OXYDEMETON-METHYL  
161 PACLOBUTRAZOL  
57 PARAQUAT  
58 PARATHION  
59 PARATHION-METHYL  
182 PENCONAZOLE  
120 PERMETHRIN  
127 PHENOTHRIN  
128 PHENTHOATE  
56 2-PHENYLPHENOL  
112 PHORATE  
60 PHOSALONE  
103 PHOSMET  
61 PHOSPHAMIDON  
141 PHOXIM  
62 PIPERONYL BUTOXIDE  
101 PIRIMICARB  
86 PIRIMIPHOS-METHYL  
142 PROCHLORAZ  
136 PROCYMIDONE  
171 PROFENOFOS  
148 PROPAMOCARB  
113 PROPAGITE  
183 PROPHAM  
160 PROPICONAZOLE  
75 PROPOXUR  
150 PROPYLENE THIOUREA (PTU)\*\*\*  
153 PYRAZOPHOS  
63 PYRETHRINS  
64 QUINTOZENE  
89 SEC-BUTYLAMINE\*  
203 SPINOZAD  
121 2,4,5-T\*  
189 TEBUCONAZOLE  
115 TECNAZENE  
190 TEFLUBENZURON  
167 TERBUFOS  
65 THIABENDAZOLE  
154 THIODICARB  
76 THIOMETON  
77 THIOPHANATE-METHYL  
191 TOLCLOFOS-METHYL  
162 TOLYLFLUANID  
133 TRIADIMEFON  
168 TRIADIMENOL  
143 TRIAZOPHOS  
66 TRICHLORFON  
116 TRIFORINE  
78 VAMIDOTHION  
159 VINCLOZOLIN

### Note:

\*, See Table 1;

\*\*, See Part A.2 (EMRLs);

\*\*\*, See Part A.3 (GLs);

Otherwise see Part A.1 (MRLs).

INDEX OF PESTICIDES IN CODE ORDER

1 ALDRIN AND DIELDRIN**	78 VAMIDOTHION	154 THIODICARB
2 AZINPHOS-METHYL	79 AMITROLE*	155 BENALAXYL
3 BINAPACRYL*	80 CHINOMETHIONAT	156 CLOFENTEZINE
4 BROMOPHOS*	81 CHLOROTHALONIL	157 CYFLUTHRIN
5 BROMOPHOS-ETHYL*	82 DICHLOFALANID	158 GLYPHOSATE
6 CAPTAFOL*	83 DICLORAN	159 VINCLOZOLIN
7 CAPTAN	84 DODINE	160 PROPICONAZOLE
8 CARBARYL	85 FENAMIPHOS	161 PACLOBUTRAZOL
9 CARBON DISULPHIDE*	86 PIRIMIPHOS-METHYL	162 TOLYLFLUANID
10 CARBON TETRACHLORIDE*	87 DINOCAP*	163 ANILAZINE
11 CARBOPHENOTHION*	88 LEPTOPHOS*	164 DEMETON-S-
12 CHLORDANE**	89 SEC-BUTYLAMINE*	METHYLSULPHON
13 CHLORDIMEFORM*	90 CHLORPYRIFOS-METHYL	165 FLUSILAZOLE
14 CHLORFENVINPHOS	91 CYANOFENPHOS*	166 OXYDEMETON-METHYL
15 CHLORMEQUAT	92 DEMETON*	167 TERBUFOS
16 CHLOROBENZILATE*	93 BIORESMETHRIN	168 TRIADIMENOL
17 CHLORPYRIFOS	94 METHOMYL	169 CYROMAZINE
18 COUMAPHOS*	95 ACEPHATE	170 HEXACONAZOLE
19 CRUFOMATE*	96 CARBOFURAN	171 PROFENOFOS
20 2,4-D	97 CARTAP	172 BENTAZONE
21 DDT**	98 DIALIFOS*	173 BUPROFEZIN
22 DIAZINON	99 EDIFENPHOS*	174 CADUSAFOS
23 1,2-DIBROMOETHANE*	100 METHAMIDOPHOS	175 GLUFOSINATE-AMMONIUM
24 1,2-DICHLOROETHANE*	101 PIRIMICARB	176 HEXYTHIAZOX
25 DICHLORVOS	102 MALEIC HYDRAZIDE	177 ABAMECTIN
26 DICOFOL	103 PHOSMET	178 BIFENTHRIN
27 DIMETHOATE	104 DAMINOZIDE*	179 CYCLOXYDIM
28 DIOXATHION*	105 DITHIOCARBAMATES	180 DITHIANON
29 DIPHENYL*	106 ETHEPHON	181 MYCLOBUTANIL
30 DIPHENYLAMINE	107 ETHIOFENCARB*	182 PENCONAZOLE
31 DIQUAT	108 ETHYLENE THIOUREA (ETU)*	183 PROPHAM*
32 ENDOSULFAN	109 FENBUTATIN OXIDE	184 ETOFENPROX
33 ENDRIN**	110 IMAZALIL	185 FENPROPATHRIN
34 ETHION	111 IPRODIONE	186 METIRAM
35 ETHOXYQUIN	112 PHORATE	187 CLETHODIM
36 FENCHLORPHOS*	113 PROPARGITE	188 FENPROPIMORPH
37 FENITROTHION	114 GUAZATINE	189 TEBUCONAZOLE
38 FENSULFOTHION*	115 TECNAZENE	190 TEFLUBENZURON
39 FENTHION	116 TRIFORINE	191 TOLCLOFOS-METHYL
40 FENTIN	117 ALDICARB	192 FENARIMOL
41 FOLPET	118 CYPERMETHRIN	193 FENPYROXIMATE
42 FORMOTHION*	119 FENVALERATE	194 HALOXYFOP
43 HEPTACHLOR**	120 PERMETHRIN	195 FLUMETHRIN
44 HEXACHLOROBENZENE*	121 2,4,5-T*	196 TEBUFENOZIDE
45 HYDROGEN CYANIDE*	122 AMITRAZ	197 FENBUCONAZOLE
46 HYDROGEN PHOSPHIDE	123 ETRIMFOS	198 AMINOMETHYLPHOPHONIC
47 BROMIDE ION	124 MECARBAM	ACID (AMPA)
48 LINDANE	125 METHACRIFOS	199 KRESOXIM-METHYL
49 MALATHION	126 OXAMYL	200 PYRIPROXIFEN
50 MANCOZEB	127 PHENOTHRIN	201 CHLOROPROPHAM
51 METHIDATHION	128 PHENTHOATE	202 FIPRONIL
52 METHYL BROMIDE***	129 AZOCYCLOTIN	203 SPINOZAD
53 MEVINPHOS	130 DIFLUBENZURON	
54 MONOCROTOPHOS	131 ISOFPENPHOS	
55 OMETHOATE	132 METHIOCARB	
56 2-PHENYLPHENOL	133 TRIADIMEFON	
57 PARAQUAT	134 AMINOCARB*	
58 PARATHION	135 DELTAMETHRIN	
59 PARATHION-METHYL	136 PROCYMIDONE	
60 PHOSALONE	137 BENDIOCARB	
61 PHOSPHAMIDON	138 METALAXYL	
62 PIPERONYL BUTOXIDE	139 BUTOCARBOXIM*	
63 PYRETHRINS	140 NITROFEN*	
64 QUINTOZENE	141 PHOXIM	
65 THIABENDAZOLE	142 PROCHLORAZ	
66 TRICHLORFON	143 TRIAZOPHOS	
67 CYHEXATIN	144 BITERTANOL	
68 AZINPHOS-ETHYL*	145 CARBOSULFAN*	
69 BENOMYL	146 CYHALOTHRIN	
70 BROMOPROPYLATE	147 METHOPRENE	
71 CAMPHECHLOR*	148 PROPAMOCARB	
72 CARBENDAZIM	149 ETHOPROPHOS	
73 DEMETON-S-METHYL	150 PROPYLENE THIOUREA	
74 DISULFOTON	(PTU)***	
75 PROPOXUR	151 DIMETHIPIN	
76 THIOMETON	152 FLUCYTHRINATE	
77 THIOPHANATE-METHYL	153 PYRAZOPHOS	

Note:  
 \*, See Table 1;  
 \*\*, See Part A.2 (EMRLs);  
 \*\*\*, See Part A.3 (GLs);  
 Otherwise see Part A.1 (MRLs).

**Table 1. LIST OF PESTICIDES WHOSE MRLs OR GLs HAVE BEEN WITHDRAWN  
BY THE CODEX ALIMENTARIUS COMMISSION AND FOR WHICH NO MRLs HAVE BEEN PROPOSED**

<b>Code</b>	<b>Name</b>	<b>ADI (mg/kg body weight)</b>	<b>MRLs or GLs deleted</b>
3	Binapacryl	Withdrawn (1982)	MRLs
4	Bromophos	0.04 (1977)	MRLs
5	Bromophos-ethyl	0.03 (1975)	MRLs
6	Captafol	Withdrawn (TADI, 1985)	MRLs, TMRLs
9	Carbon disulphide	Not cleared toxicologically	GLs
10	Carbon tetrachloride	Not cleared toxicologically	GLs
11	Carbophenothion	0.0005 (1979)	MRLs
13	Chlordimeform	Withdrawn (TADI, 1987)	MRLs, TMRLs
16	Chlorobenzilate	0.02 (1980)	MRLs
18	Coumaphos	Withdrawn (TADI, 1980)	GLs
19	Crufomate	0.1 (1968)	MRLs
23	1,2-Dibromoethane	Not cleared toxicologically	GLs
24	1,2-Dichloroethane	Not cleared toxicologically	GLs
28	Dioxathion	0.0015 (1968)	MRLs
29	Diphenyl	0.125 (1967)	MRLs
36	Fenchlorphos	0.01 (1968)	MRLs
38	Fensulfothion	0.0003 (1982)	MRLs
42	Formothion	0.02 (1973)	MRLs (no longer supported)
44	Hexachlorobenzene	Withdrawn (1978)	MRLs (GLs)
45	Hydrogen cyanide	0.05 (1965)	MRLs
68	Azinphos-ethyl	Not cleared toxicologically	GLs
71	Camphechlor	Not cleared toxicologically	GLs
79	Amitrole	0.0005 (TADI, 1993-97)	MRLs
87	Dinocap	0.001 (1989)	TMRLs (Step 6)
88	Leptophos	Not cleared toxicologically	
89	Sec-Butylamine	Withdrawn (TADI, 1984)	MRLs, GLs
91	Cyanofenphos	Withdrawn (TADI, 1983)	TMRLs
92	Demeton	Withdrawn (1982)	MRLs, GLs
98	Dialifos	Withdrawn (1982)	GLs
99	Edifenphos	0.003 (1981)	MRLs
104	Daminozide	0.5 (1989, 91)	MRLs (Step 6)
107	Ethiofencarb	0.1 (1982)	MRLs
108	Ethylene thiourea	0.004 (1993)	MRLs (Step 8)
121	2,4,5-T	0.03 (1981)	MRLs
134	Aminocarb	Not cleared toxicologically	GLs
139	Butocarboxim	Not cleared toxicologically	GLs
140	Nitrofen	Not cleared toxicologically	GLs
145	Carbosulfan	0.01 (1986)	MRL (Step 6)
183	Propham	Not cleared toxicologically	No MRLs proposed

**PART A.1**

**LIST OF MAXIMUM RESIDUE LIMITS FOR PESTICIDES  
IN FOOD AND ANIMAL FEEDS  
(At Various Steps of the Codex Procedure)**



- Part.A1 -

Part 1 - 1

**2 AZINPHOS-METHYL**

Main Uses 8 INSECTICIDE  
 JMPR 65T, 68, 72R, 73T, 74R, 91, 93R, 95R

ADI 0.005 mg/kg body weight (1991)

RESIDUE Azinphos-methyl.

Note A full data package will be sent to the JMPR for grapes (28.30).

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	10	CXL		(1995)	
AL	1021 Alfalfa forage (green)	5	CXL		(1995)	
AM	0660 Almond hulls	5	CXL		(1997)	
TN	0660 Almonds	0.05	CXL		(1997)	
FP	0226 Apple	2	CXL		(1997)	
FB	0020 Blueberries	5	CXL		(1995)	
VB	0400 Broccoli	1	CXL			
FS	0013 Cherries	2	CXL		(1997)	
AL	1031 Clover hay or fodder	5	CXL		(1995)	
SO	0691 Cotton seed	0.2	CXL			
FB	0265 Cranberry	0.1	CXL		(1995)	
VC	0424 Cucumber	0.2	CXL		(1995)	
AO2	0002 Fruits (except as otherwise listed)	1	CXL		25, 26	
VC	0046 Melons, except watermelon	0.2	CXL		(1995)	A full data package will be sent to the JMPR (28.30)
FS	0245 Nectarine	2	CXL		(1997)	
FS	0247 Peach	2	CXL		(1997)	
FP	0230 Pear	2	CXL		(1997)	
TN	0672 Pecan	0.3	CXL		(1995)	
VO	0445 Peppers, Sweet	1	CXL		(1995)	
FS	0014 Plums (including prunes)	2	CXL		(1997)	
VR	0589 Potato	0.05 (*)	CXL		(1995)	Processing data will be sent to the JMPR (28.30)
VD	0541 Soya bean (dry)	0.05 (*)	CXL		(1995)	
GS	0659 Sugar cane	0.2	CXL		(1995)	
VO	0448 Tomato	1	CXL		(1997)	
AO1	0002 Vegetables (except as otherwise listed)	0.5	CXL		25	

- Part.A1 -

Part 1 - 2

TN	0678	Walnuts	0.3
VC	0432	Watermelon	0.2

CXL	(1995)
CXL	(1995)

- Part.A1 -

Part 1 - 3

**7 CAPTAN**

Main Uses 5 FUNGICIDE

JMPR 63,65T,69,73T,74R,77,78,80R,82T,84,86R,87R,90,94R,95T,97R, 00R'

ADI 0.1 mg/kg body weight (1984; confirmed 1990, 1995)

RESIDUE Captan.

Commodit Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
TN 0660	Almonds	0.3		3	00		
FP 0226	Apple	25	T	CXL			
FP 0226	Apple	20		6(a)	94, 97, 00	28, 31, 32	Withdrawal recommended (2000 JMPR). To be replaced by the MRL for pome fruits (2000 JMPR)
AB 0226	Apple pomace, Dry	2		6	97, 00	31, 32	Withdrawal recommended (2000 JMPR)
FB 0020	Blueberries	20		CXL			Confirmed (2000 JMPR)
FS 0013	Cherries	25		6	94, 97, 00	28, 31, 32	Changed from 40 mg/kg (2000 JMPR)
VC 0424	Cucumber	3		3	00		
DF 0269	Dried grapes (=currants, raisins and sultanas)	50		6	97	31, 32	Confirmed (2000 JMPR)
FB 0269	Grapes	25		6	94, 97	28, 31, 32	Confirmed (2000 JMPR)
VC 0046	Melons, except watermelon	10		3	00		
FS 0245	Nectarine	3		6	94, 00	28, 31, 32	Changed from 5 mg/kg (2000 JMPR)
FS 0247	Peach	15		CXL			
FS 0247	Peach	20		3(a)	00		
FP 0230	Pear	25	T	CXL			
FP 0230	Pear	10		6(a)	94	28, 31, 32	Withdrawal recommended (2000 JMPR). To be replaced by the MRL for pome fruits (2000 JMPR)
FS 0014	Plums (including prunes)	10		6	94	28, 32	Changed from 5 mg/kg (2000 JMPR)
FP 0009	Pome fruits	15	Po	3(a)	00		
VR 0589	Potato	0.05		3	00		
FB 0272	Raspberries, Red, Black	20		3	00		
FB 0275	Strawberry	20	T	CXL			
FB 0275	Strawberry	15		6(a)	94, 97, 00	28, 31, 32	Changed from 30 mg/kg (2000 JMPR)
VO 0448	Tomato	15	T	CXL			
VO 0448	Tomato	5		6(a)	94, 00	28, 31, 32	Changed from 2 mg/kg (2000 JMPR)

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Part 1 - 4

**8 CARBARYL**

Main Uses 8 INSECTICIDE

JMPR 65T, 66, 67, 68R, 69, 70R, 73, 75R, 76R, 77R, 79R, 84R, 96T, 00T, 01T

ADI 0.008 mg/kg body weight (2001)

AcuteRfD 0.2

RESIDUE Carbaryl.

Note Temporary Codex MRLs: Valid 1999-2003.

Previous ADI, 0.003 mg/kg bw (1996).

MRLs for animal feedingstuffs and common beans would no longer be supported. New residue data and GAP information would be provided to the 2001 JMPR. The CCPR-32 decided to retain all temporary CXLs awaiting the toxicological evaluation by the 2000 JMPR and the residue evaluation by the 2001 JMPR (32.86)

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
AL	1021 Alfalfa forage (green)	100	T	CXL	(1999) 32	1999-2003
FP	0226 Apple	5	T	CXL	(1999) 32	1999-2003
FS	0240 Apricot	10	T	CXL	(1999) 32	1999-2003
VS	0621 Asparagus	10	T	CXL	(1999) 32	1999-2003
FI	0327 Banana	5	T	CXL	(1999) 32	1999-2003
GC	0640 Barley	5	Po T	CXL	(1999) 32	1999-2003
AL	1030 Bean forage (green)	100	T	CXL	(1999) 32	1999-2003
VR	0574 Beetroot	2	T	CXL	(1999) 32	1999-2003
FB	0264 Blackberries	10	T	CXL	(1999) 32	1999-2003
FB	0020 Blueberries	7	T	CXL	(1999) 32	1999-2003
VB	0041 Cabbages, Head	5	T	CXL	(1999) 32	1999-2003
VR	0577 Carrot	2	T	CXL	(1999) 32	1999-2003
MM	0812 Cattle meat	0.2	T	CXL	(1999) 32	1999-2003
FS	0013 Cherries	10	T	CXL	(1999) 32	1999-2003
FC	0001 Citrus fruits	7	T	CXL	(1999) 32	1999-2003
AL	1023 Clover	100	T fresh wt	CXL	(1999) 32	1999-2003
VP	0526 Common bean (pods and/or immature seeds)	5	T	CXL	(1999) 32	1999-2003
SO	0691 Cotton seed	1	T	CXL	(1999) 32	1999-2003
VD	0527 Cowpea (dry)	1	T	CXL	(1999) 32	1999-2003
FB	0265 Cranberry	7	T	CXL	(1999) 32	1999-2003
VC	0424 Cucumber	3	T	CXL	(1999) 32	1999-2003

**- Part.A1 -**

Part 1 - 5

FB	0266	Dewberries (including boysenberry and loganberry)	10		T	CXL	(1999) 32	1999-2003
VO	0440	Egg plant	5		T	CXL	(1999) 32	1999-2003
PE	0112	Eggs	0.5		T	CXL	(1999) 32	1999-2003
MM	0814	Goat meat	0.2		T	CXL	(1999) 32	1999-2003
FB	0269	Grapes	5		T	CXL	(1999) 32	1999-2003
AS	0162	Hay or fodder (dry) of grasses	100		T	CXL	(1999) 32	1999-2003
FI	0341	Kiwifruit	10		T	CXL	(1999) 32	1999-2003
VL	0053	Leafy vegetables	10		T	CXL	(1999) 32	1999-2003
AF	0645	Maize forage	100		T fresh wt	CXL	(1999) 32	1999-2003
VC	0046	Melons, except watermelon	3		T	CXL	(1999) 32	1999-2003
AO3	0001	Milk products	0.1	(*)	T	CXL	(1999) 32	1999-2003
ML	0106	Milks	0.1	(*)	T	CXL	(1999) 32	1999-2003
FS	0245	Nectarine	10		T	CXL	(1999) 32	1999-2003
AO5	1900	Nuts (whole in shell)	10		T	CXL	(1999) 32	1999-2003; Except peanut, whole and tree nuts.
GC	0647	Oats	5	Po	T	CXL	(1999) 32	1999-2003
VO	0442	Okra	10		T	CXL	(1999) 32	1999-2003
FT	0305	Olives	10		T	CXL	(1999) 32	1999-2003
DM	0305	Olives, Processed	1		T	CXL	(1999) 32	1999-2003
VR	0588	Parsnip	2		T	CXL	(1999) 32	1999-2003
AL	0528	Pea vines (green)	100		T fresh wt	CXL	(1999) 32	1999-2003
FS	0247	Peach	10		T	CXL	(1999) 32	1999-2003
AL	0697	Peanut fodder	100		T	CXL	(1999) 32	1999-2003
SO	0703	Peanut, Whole	2		T	CXL	(1999) 32	1999-2003
FP	0230	Pear	5		T	CXL	(1999) 32	1999-2003
VP	0063	Peas (pods and succulent=immature seeds)	5		T	CXL	(1999) 32	1999-2003
VO	0051	Peppers	5		T	CXL	(1999) 32	1999-2003
FS	0014	Plums (including prunes)	10		T	CXL	(1999) 32	1999-2003
VR	0589	Potato	0.2		T	CXL	(1999) 32	1999-2003
PM	0110	Poultry meat	0.5		T	CXL	(1999) 32	1999-2003; The MRL accommodates external animal treatment.
PO	0113	Poultry skin	5		T	CXL	(1999) 32	1999-2003; The MRL accommodates external animal treatment.
VC	0429	Pumpkins	3		T	CXL	(1999) 32	1999-2003
VR	0494	Radish	2		T	CXL	(1999) 32	1999-2003

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Part 1 - 6

FB	0272	Raspberries, Red, Black	10		T	CXL	(1999) 32	1999-2003
GC	0649	Rice	5	Po	T	CXL	(1999) 32	1999-2003
CM	0649	Rice, Husked	5	PoP	T	CXL	(1999) 32	1999-2003
GC	0650	Rye	5	Po	T	CXL	(1999) 32	1999-2003
MM	0822	Sheep meat	0.2		T	CXL	(1999) 32	1999-2003
GC	0651	Sorghum	10	Po	T	CXL	(1999) 32	1999-2003
AF	0651	Sorghum forage (green)	100		T fresh wt	CXL	(1999) 32	1999-2003
VD	0541	Soya bean (dry)	1		T	CXL	(1999) 32	1999-2003
AL	1265	Soya bean forage (green)	100		T fresh wt	CXL	(1999) 32	1999-2003
VC	0431	Squash, Summer	3		T	CXL	(1999) 32	1999-2003
FB	0275	Strawberry	7		T	CXL	(1999) 32	1999-2003
VR	0596	Sugar beet	0.2		T	CXL	(1999) 32	1999-2003
AV	0596	Sugar beet leaves or tops	100		T	CXL	(1999) 32	1999-2003
VR	0497	Swede	2		T	CXL	(1999) 32	1999-2003
VO	1275	Sweet corn (kernels)	1		T	CXL	(1999) 32	1999-2003
VO	0448	Tomato	5		T	CXL	(1999) 32	1999-2003
TN	0085	Tree nuts	1		T	CXL	(1999) 32	1999-2003
GC	0654	Wheat	5	Po	T	CXL	(1999) 32	1999-2003
CM	0654	Wheat bran, Unprocessed	20	PoP	T	CXL	(1999) 32	1999-2003
CF	1211	Wheat flour	0.2	PoP	T	CXL	(1999) 32	1999-2003
CF	1212	Wheat wholemeal	2	PoP	T	CXL	(1999) 32	1999-2003
VC	0433	Winter squash	3		T	CXL	(1999) 32	1999-2003

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Part 1 - 7

**15 CHLORMEQUAT**

Main Uses 16 PLANT GROWTH REGULATOR

JMPR 70, 72, 76R, 85R, 94', 97T, 99T, 00R

ADI 0.05 mg/kg body weight (1997)

AcuteRfD 0.05

RESIDUE Chlormequat cation (usually used as the chloride).

Note The 1994 JMPR made new proposals for MRLs despite the withdrawal of the previous ADI. As the 1997 JMPR allocated a new full ADI, these proposals have been considered as MRLs.

The availability of residue data on pear and cereals was confirmed. Two 28-day feeding studies on rat and dog were available for evaluation by the 2000 JMPR (31.44).

The CAC-23 returned all draft MRLs to Step 6 pending evaluation of new data including feeding studies by the 2000 JMPR (32.88)

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
GC 0640	Barley	2	6	94, 00	30, 32	Changed from 0.5 mg/kg (2000 JMPR)
AS 0640	Barley straw and fodder,	50	CXL			
AS 0640	Barley straw and fodder,	20	6(a)	94	30, 32	Withdrawal recommended (2000 JMPR). To be replaced by the MRL for straw and fodder of cereal grains (2000 JMPR)
SO 0691	Cotton seed	0.5	6	94	30, 32	
PE 0112	Eggs	0.1	3	00		
MM 0814	Goat meat	0.2	3	00		
MO 0098	Kidney of cattle, goats, pigs & sheep	0.5	3	00		
MO 0099	Liver of cattle, goats, pigs & sheep	0.1	3	00		
AS 0645	Maize fodder	7	3	00		
AF 0645	Maize forage	15	3	00		
MM 0097	Meat of cattle, pigs &	0.2	3	00		
ML 0107	Milk of cattle, goats &	0.5	3	00		
AF 0647	Oat forage (green)	100	6	94, 00	30, 32	Changed from 20 mg/kg (2000 JMPR)
AS 0647	Oat straw and fodder, Dry	50	CXL			
AS 0647	Oat straw and fodder, Dry	20	6(a)	94	30, 32	Withdrawal recommended (2000 JMPR). To be replaced by the MRL for straw and fodder for cereal grains (2000 JMPR)
GC 0647	Oats	10	CXL			Confirmed (1994 & 2000 JMPR)
FP 0230	Pear	3	CXL			
FP 0230	Pear	10	6(a)	94, 00	30, 32	Confirmed (2000 JMPR). The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD.
PM 0110	Poultry meat	0.04 (*)	3	00		

**- Part.A1 -**

Part 1 - 8

PO	0111	Poultry, Edible offal of	0.1		3	00			
SO	0495	Rape seed	5		6	94	30, 32		
OC	0495	Rape seed oil, Crude	0.1	(*)	6	94	30, 32		
GC	0650	Rye	5		CXL				
GC	0650	Rye	3		6(a)	94, 00	30, 32	Confirmed (2000 JMPR)	
CM	0650	Rye bran, Unprocessed	10		6	94, 00	30, 32	Confirmed (2000 JMPR)	
CF	1250	Rye flour	3		3	00			
AF	0650	Rye forage (green)	100	dry wt	6	94, 00	30, 32	Changed from 20 mg/kg (2000 JMPR)	
AS	0650	Rye straw and fodder, Dry	50		CXL				
AS	0650	Rye straw and fodder, Dry	20		6(a)	94, 00	30, 32	Withdrawal recommended (2000 JMPR). To be replaced by the MRL for straw and fodder for cereal grains (2000 JMPR)	
CF	1251	Rye wholemeal	4		6	94	30, 32	Changed from 3 mg/kg (2000 JMPR)	
AS	0081	Straw and fodder (dry) of cereal grains	30	dry wt	3(a)	00			
GC	0653	Triticale	3		3	00			
GC	0654	Wheat	5		CXL				
GC	0654	Wheat	3		6(a)	94, 00	30, 32	Changed from 2 mg/kg (2000 JMPR)	
CM	0654	Wheat bran, Unprocessed	10		6	94, 00	30, 32	Changed from 5 mg/kg (2000 JMPR)	
CF	1211	Wheat flour	2		6	94, 00	30, 32	Changed from 0.5 mg/kg (2000 JMPR)	
AS	0654	Wheat straw and fodder,	50		CXL				
AS	0654	Wheat straw and fodder,	20		6(a)	94, 00	30, 32	Withdrawal recommended (2000 JMPR). To be replaced by the MRL for straw and fodder for cereal grains (2000 JMPR)	
CF	1212	Wheat wholemeal	5		6	94, 00	30, 32	Changed from 2 mg/kg (2000 JMPR)	



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Part 1 - 9

**17 CHLORPYRIFOS**

Main Uses 8 INSECTICIDE  
 JMPR 72, 74R, 75R, 77, 81R, 82, 83R, 95R, 99T<sup>1</sup>, 00R<sup>1</sup>  
 ADI 0.01 mg/kg body weight (1982; confirmed 1999)  
 AcuteRfD 0.1  
 RESIDUE Chlorpyrifos (fat-soluble).

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	5	3	00		
AL	1021 Alfalfa forage (green)	20	3	00		
TN	0660 Almonds	0.05	3	00		
FP	0226 Apple	1	CXL	00		To be replaced by the MRL for pome fruits (2000 JMPR)
FI	0327 Banana	2	3	00		
VB	0400 Broccoli	2	3	00		
VB	0041 Cabbages, Head	0.05 (*)	CXL			
VB	0041 Cabbages, Head	1	3(a)	00		
VR	0577 Carrot	0.5	CXL			
VR	0577 Carrot	0.1	3(a)	00		
MO	1280 Cattle kidney	0.01	3	00		
MO	1281 Cattle liver	0.01	3	00		
MM	0812 Cattle meat	2 (fat)	CXL			The MRL accommodates external animal treatment.
MM	0812 Cattle meat	1 (fat)	3(a)	00		
VB	0404 Cauliflower	0.05 (*)	CXL			
VB	0404 Cauliflower	0.05	3(a)	00		
VS	0624 Celery	0.05 (*)	CXL	00		Withdrawal recommended (2000 JMPR)
PM	0840 Chicken meat	0.1 (fat)	CXL	00		To be replaced by the MRL for poultry meat (2000 JMPR)
VL	0467 Chinese cabbage (type pe-tsai)	1	CXL			Confirmed (2000 JMPR)
FC	0001 Citrus fruits	1	CXL		(1999)	Confirmed (2000 JMPR)
SB	0716 Coffee beans	0.05	3	00		
VP	0526 Common bean (pods and/or immature seeds)	0.2	CXL			
VP	0526 Common bean (pods and/or immature seeds)	0.01	3(a)	00		
SO	0691 Cotton seed	0.05 (*)	CXL	00		Withdrawal recommended (2000 JMPR)

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Part 1 - 10

OC	0691	Cotton seed oil, Crude	0.05	(*)	CXL		Withdrawal recommended (2000 JMPR)
DF	0269	Dried grapes (=currants, raisins and sultanas)	2		CXL		
DF	0269	Dried grapes (=currants, raisins and sultanas)	0.1		3(a)	00	
VO	0440	Egg plant	0.2		CXL	00	Withdrawal recommended (2000 JMPR)
PE	0112	Eggs	0.05	(*)	CXL		
PE	0112	Eggs	0.01	(*)	3(a)	00	
FB	0269	Grapes	1		CXL		
FB	0269	Grapes	0.5		3(a)	00	
VL	0480	Kale	1		CXL	00	Withdrawal recommended (2000 JMPR)
FI	0341	Kiwifruit	2		CXL	00	Withdrawal recommended (2000 JMPR)
VL	0482	Lettuce, Head	0.1		CXL	00	Withdrawal recommended (2000 JMPR)
GC	0645	Maize	0.05		3	00	
AS	0645	Maize fodder	10		3	00	
AF	0645	Maize forage	20		3	00	
OR	0645	Maize oil, Edible	0.2		3	00	
ML	0107	Milk of cattle, goats &	0.02		3(a)	00	
ML	0106	Milks	0.01	(*)	CXL	00	The MRL accommodates external animal treatment. Withdrawal recommended (2000 JMPR)
VO	0450	Mushrooms	0.05	(*)	CXL	00	Withdrawal recommended (2000 JMPR)
VA	0385	Onion, Bulb	0.05	(*)	CXL		
VA	0385	Onion, Bulb	0.2		3(a)	00	
AL	0528	Pea vines (green)	1		3	00	
FS	0247	Peach	0.5		3	00	
FP	0230	Pear	0.5		CXL	00	To be replaced by the MRL for pome fruits (2000 JMPR)
VP	0063	Peas (pods and succulent=immature seeds)	0.01		3	00	
TN	0672	Pecan	0.05	(*)	3	00	
VO	0051	Peppers	0.5		CXL	00	Withdrawal recommended (2000 JMPR)
VO	0445	Peppers, Sweet	2		3(a)	00	
MM	0818	Pig meat	0.02	(fat)	3	00	
MO	0818	Pig, Edible offal of	0.01	(*)	3	00	
FS	0014	Plums (including prunes)	0.5		3	00	
FP	0009	Pome fruits	1		3(a)	00	
VR	0589	Potato	0.05	(*)	CXL	00	Withdrawal recommended (2000 JMPR)
PM	0110	Poultry meat	0.01	(fat)	3(a)	00	

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Part 1 - 11

PO	0111	Poultry, Edible offal of	0.01	(*)	3	00	
FB	0272	Raspberries, Red, Black	0.2		CXL	00	Withdrawal recommended (2000 JMPR)
GC	0649	Rice	0.1		CXL	00	Withdrawal recommended (2000 JMPR)
MM	0822	Sheep meat	0.2	(fat)	CXL		The MRL accommodates external animal treatment.
MM	0822	Sheep meat	1	(fat)	3(a)	00	
MO	0822	Sheep, Edible offal of	0.01		3	00	
GC	0651	Sorghum	0.5		3	00	
AS	0651	Sorghum straw and fodder, Dry	2		3	00	
FB	0275	Strawberry	0.3		3	00	
VR	0596	Sugar beet	0.05	(*)	CXL		
VR	0596	Sugar beet	0.05		3(a)	00	
AV	0596	Sugar beet leaves or tops	40		3	00	
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	3	00	Confirmed (2000 JMPR)
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	3	00	
VO	0448	Tomato	0.5		CXL		
PM	0848	Turkey meat	0.2	(fat)	CXL	00	The MRL accommodates external animal treatment. To be replaced by the MRL for poultry meat (2000 JMPR)
TN	0678	Walnuts	0.05	(*)	3	00	
GC	0654	Wheat	0.5		3	00	
CF	1211	Wheat flour	0.1		3	00	
AS	0654	Wheat straw and fodder,	5		3	00	

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Part 1 - 12

**20 2,4-D**

Main Uses 7 HERBICIDE

JMPR 70, 71, 74, 75, 80R, 85R, 86R, 96T', 98R', 01R

ADI 0.01 mg/kg body weight for sum of 2,4-D and its salts and esters expressed as 2,4-D (1996)

RESIDUE 2,4-D.

Code	Commodity Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FB	0018 Berries and other small	0.1		6(a)	98	32	
FB	0264 Blackberries	0.1		CXL	98		To be replaced by the MRL for berries and other small fruits (1998 JMPR)
FC	0001 Citrus fruits	2		CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure as several delegations preferred this to the MRLs for individual citrus fruits recommended by the 1998 JMPR and additional trial data would be available to JMPR (32.89)
FC	0001 Citrus fruits	1	Po	3(a)	01		
MO	0105 Edible offal (mammalian)	5		6	98	32	
PE	0112 Eggs	0.01	(*)	CXL		(2001)	
FC	0203 Grapefruit	0.1		6(a)	98, 01	32	Withdrawal recommended (2001 JMPR)
AS	0162 Hay or fodder (dry) of grasses	400		6	98	32	
GC	0645 Maize	0.05		CXL		(2001)	
AS	0645 Maize fodder	40		CXL		(2001)	
AF	0645 Maize forage	10		CXL		(2001)	
MM	0095 Meat (from mammals other than marine mammals)	0.05	(*)	CXL			
MM	0095 Meat (from mammals other than marine mammals)	0.2		6(a)	98	32	
ML	0106 Milks	0.05	(*)	CXL			
ML	0106 Milks	0.1		6(a)	98	32	
FC	0004 Oranges, Sweet, Sour	0.1		6(a)	98, 01	32	Withdrawal recommended (2001 JMPR)
FP	0009 Pome fruits	0.01	(*)	6	98	32	
VR	0589 Potato	0.2		CXL			Confirmed (1998 JMPR)
PM	0110 Poultry meat	0.05	(*)	6	98	32	
PO	0111 Poultry, Edible offal of	0.05	(*)	6	98	32	
FB	0272 Raspberries, Red, Black	0.1		CXL			To be replaced by the MRL for berries and other small fruits (1998 JMPR)

**- Part.A1 -**

Part 1 - 13

AS	0649	Rice straw and fodder, Dry	10		CXL		(2001)
CM	0649	Rice, Husked	0.1		CXL		(2001)
GC	0650	Rye	2		CXL		(2001)
GC	0651	Sorghum	0.05	(*)	CXL		
GC	0651	Sorghum	0.01	(*)	6(a)	98	32
AF	0651	Sorghum forage (green)	0.2		CXL		(2001)
VD	0541	Soya bean (dry)	0.01	(*)	6	98	32
AL	0541	Soya bean fodder	0.01	(*)	6	98	32
AL	1265	Soya bean forage (green)	0.01	(*)	6	98	32
FS	0012	Stone fruits	0.05	(*)	CXL		(2001)
GS	0659	Sugar cane	0.05		CXL		(2001)
AV	0659	Sugar cane forage	0.2		CXL		(2001)
VO	0447	Sweet corn (corn-on-the-cob)	0.05	(*)	CXL		(2001)
TN	0085	Tree nuts	0.2		CXL		(2001)
FB	0019	Vaccinium berries, including bearberry	0.1		CXL		
GC	0654	Wheat	2		CXL		(2001)
AS	0654	Wheat straw and fodder,	100		CXL		(2001)

To be replaced by the MRL for berries and other small fruits  
(1998 JMPR)

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Part 1 - 14

**22 DIAZINON**

Main Uses 8 INSECTICIDE

JMPR 65T, 66T, 67R, 68, 70, 75R, 79R, 93', 94R, 96R, 99R, 01T

ADI 0.002 mg/kg body weight (1970; confirmed 1993)

AcuteRfD 0.03

RESIDUE Diazinon (fat-soluble).

Note The information provided to the 1999 JMPR precludes an estimate that the dietary intake would be below the ADI. DIE: 20-180% of the ADI.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
AM	0660 Almond hulls	5	CXL		(1995)	
TN	0660 Almonds	0.05	CXL		(1995)	
FB	0264 Blackberries	0.1	CXL		(1997)	
FB	4079 Boysenberry	0.1	CXL		(1997)	
VB	0400 Broccoli	0.5	CXL		(1997)	
VB	0041 Cabbages, Head	2	CXL		(1997)	
VB	0041 Cabbages, Head	0.5	6(a)	99	33	
VC	4199 Cantaloupe	0.2	CXL		(1997)	
VR	0577 Carrot	0.5	CXL		(1997)	
FS	0013 Cherries	1	CXL		(1997)	
PE	0840 Chicken eggs	0.02 (*)	CXL		(1999)	
PM	0840 Chicken meat	0.02 (*)	CXL		(1999)	
PO	0840 Chicken, Edible offal of	0.02 (*)	CXL		(1999)	
VL	0467 Chinese cabbage (type pe-tsai)	0.05	CXL		(1997)	
VP	0526 Common bean (pods and/or immature seeds)	0.2	CXL		(1997)	
VC	0424 Cucumber	0.1	CXL		(1997)	
FB	0021 Currants, Black, Red, White	0.2	CXL		(1997)	
VP	0529 Garden pea, Shelled	0.2	CXL		(1997)	
MM	0814 Goat meat	2 (fat)	6	96, 99	30, 33	The MRL accommodates external animal treatment. Confirmed (1999 JMPR)
DH	1100 Hops, Dry	0.5	CXL		(1997)	
VL	0480 Kale	0.05	CXL		(1995)	
MO	0098 Kidney of cattle, goats, pigs & sheep	0.03	6	96, 99	30, 33	The MRL accommodates external animal treatment. Confirmed (1999 JMPR)
FI	0341 Kiwifruit	0.2	CXL		(1997)	

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VB	0405	Kohlrabi	0.2		CXL		(1997)	
VL	0482	Lettuce, Head	0.5		CXL		(1997)	
VL	0483	Lettuce, Leaf	0.5		CXL		(1997)	
MO	0099	Liver of cattle, goats, pigs & sheep	0.03		6	96, 99	30, 33	The MRL accommodates external animal treatment. Confirmed (1999 JMPR)
GC	0645	Maize	0.02	(*)	CXL		(1995)	
AF	0645	Maize forage	10		CXL		(1995)	
MM	0097	Meat of cattle, pigs &	0.7	(fat)	CXL	93		The MRL accommodates external animal treatment.
MM	0097	Meat of cattle, pigs &	2	(fat)	6(a)	96, 99	30, 33	The MRL accommodates external treatment on animals, Confirmed (1999 JMPR)
ML	0106	Milks	0.02	F	CXL			The MRL accommodates external animal treatment. Confirmed (1996, 1999 JMPR)
VA	0385	Onion, Bulb	0.05		CXL		(1995)	
FS	0247	Peach	0.2		CXL		(1997)	
VO	0445	Peppers, Sweet	0.05		CXL		(1995)	
FI	0353	Pineapple	0.1		CXL		(1997)	
FS	0014	Plums (including prunes)	1		CXL		(1997)	
FP	0009	Pome fruits	2		CXL		(1997)	
FP	0009	Pome fruits	0.3		6(a)	99	33	
VR	0589	Potato	0.01	(*)	CXL		(1995)	
DF	0014	Prunes	2		CXL		(1997)	
VR	0494	Radish	0.1		CXL		(1997)	
FB	0272	Raspberries, Red, Black	0.2		CXL		(1997)	
VL	0502	Spinach	0.5		CXL		(1997)	
VA	0389	Spring onion	1		CXL		(1997)	
VC	0431	Squash, Summer	0.05		CXL		(1997)	
FB	0275	Strawberry	0.1		CXL		(1997)	
VR	0596	Sugar beet	0.1		CXL		(1995)	
AV	0596	Sugar beet leaves or tops	5		CXL		(1995)	
VO	0447	Sweet corn (corn-on-the-cob)	0.02		CXL		(1995)	
VO	0448	Tomato	0.5		CXL		(1997)	
TN	0678	Walnuts	0.01	(*)	CXL		(1995)	

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**25 DICHLORVOS**

Main Uses 8 INSECTICIDE

JMPR 65, 66, 67, 69R, 70, 74R, 77T, 93'

ADI 0.004 mg/kg body weight (confirmed 1977, 1993)

RESIDUE Dichlorvos.

Residues decline rapidly during storage and shipment. Codex MRLs are based on residues likely to be found at harvest or slaughter.

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
GC 0080	Cereal grains	5 (Po)	CXL		(1997)	
MM 0095	Meat (from mammals other than marine mammals)	0.05 (*)	CXL		(1995)	
ML 0106	Milks	0.02 (*)	CXL		(1995)	
VO 0450	Mushrooms	0.5	CXL			
PM 0110	Poultry meat	0.05	CXL			
CM 0654	Wheat bran, Unprocessed	10	CXL		(1997)	
CF 1211	Wheat flour	1	CXL		(1997)	
CF 1210	Wheat germ	10	CXL		(1997)	
CF 1212	Wheat wholemeal	2	CXL		(1997)	



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**26 DICOFOL**

Main Uses 1 ACARICIDE/MITICIDE

JMPR 68, 70R, 74R, 92', 94R

ADI 0.002 mg/kg body weight (1992)

RESIDUE Plant commodities: Dicofol (sum of o,p' & p,p' isomers) (fat-soluble).

Animal commodities: Sum of dicofol and 2,2-dichloro-1,1-bis(4-chlorophenyl)ethanol (p,p'-FW152) calculated as dicofol (fat-soluble).

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VD	0071 Beans (dry)	0.1	CXL		(1995)	
MM	0812 Cattle meat	3 (fat)	CXL		(1997)	
MO	0812 Cattle, Edible offal of	1	CXL		(1997)	
FS	0013 Cherries	5	CXL		(1997)	
FC	0001 Citrus fruits	5	CXL		(1997)	
VP	0526 Common bean (pods and/or immature seeds)	2	CXL		(1997)	
SO	0691 Cotton seed	0.1	CXL		(1995)	
OC	0691 Cotton seed oil, Crude	0.5	CXL		(1997)	
OR	0691 Cotton seed oil, Edible	0.5	CXL		(1997)	
VC	0424 Cucumber	0.5	CXL		(1995)	
PE	0112 Eggs	0.05	CXL		(1995)	
FB	0269 Grapes	5	CXL		(1997)	
DH	1100 Hops, Dry	50	CXL		(1995)	
VC	0046 Melons, except watermelon	0.2	CXL		(1995)	
ML	0106 Milks	0.1 F	CXL		(1999)	
FS	0247 Peach	5	CXL		(1997)	
TN	0672 Pecan	0.01 (*)	CXL		(1995)	
VO	0051 Peppers	1	CXL		(1995)	
FS	0014 Plums (including prunes)	1	CXL		(1997)	
PM	0110 Poultry meat	0.1 (fat)	CXL		(1997)	
PO	0111 Poultry, Edible offal of	0.05 (*)	CXL		(1995)	
DF	0014 Prunes	3	CXL		(1997)	
VC	0431 Squash, Summer	1	CXL		(1995)	
DT	1114 Tea, Green, Black	50	CXL		(1997)	
VO	0448 Tomato	1	CXL			
TN	0678 Walnuts	0.01 (*)	CXL		(1995)	

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**27 DIMETHOATE**

Main Uses 8 INSECTICIDE

JMPR 65T,66T,67,70R,73R,77R,78R,83R,84,86,87,88R,90R,94R,96T',98R'

ADI 0.002 mg/kg body weight for sum of dimethoate and omethoate expressed as dimethoate (1996)

RESIDUE Dimethoate.

See also (55) omethoate.

Note The information provided to the 1998 JMPR precludes an estimate that the dietary intake would be below the ADI. IEDI: 20-200% of the ADI.

The CCPR-32 indicated that the chronic and acute exposure should be addressed before advancing draft MRLs (32.90). The CCPR-32 decided to maintain the residue definition for dimethoate and to discuss it again at the 33rd Session (32.91)

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	1	CXL		(1991)	To be replaced by the MRL for pome fruits (1998 JMPR)
VS 0621	Asparagus	0.05 (*)	6	98	32	
GC 0640	Barley	2	6	98	32	
VR 0574	Beetroot	0.2	CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
VB 0402	Brussels sprouts	2	CXL		(1997)	
VB 0402	Brussels sprouts	1	6(a)	98	32	
VB 0403	Cabbage, Savoy	0.05 (*)	6	98	32	
VB 0041	Cabbages, Head	2	CXL		(1997)	Except for cabbage, Savoy Confirmed (1998 JMPR).
MO 0812	Cattle, Edible offal of	0.05 (*)	6	98	32	
VB 0404	Cauliflower	0.5	6	98	32	
VS 0624	Celery	1	CXL	98	(1991) 32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
FS 0013	Cherries	2	CXL			Confirmed (1998 JMPR).
FC 0001	Citrus fruits	2	CXL	98	32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure. Data will be developed to support this MRL (32.90)
PE 0112	Eggs	0.05 (*)	6	98	32	
FB 0269	Grapes	1	CXL		(1991)	
FB 0269	Grapes	2	6(a)	98	32	
VL 0482	Lettuce, Head	2	CXL		(1997)	
VL 0482	Lettuce, Head	0.5	6(a)	98	32	
MF 0100	Mammalian fats (except milk fats)	0.05 (*)	6	98	32	
MM 0096	Meat of cattle, goats, horses, pigs & sheep	0.05 (*)	6	98	32	

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ML	0107	Milk of cattle, goats &	0.05	(*)	6	98	32	
OR	0305	Olive oil, Refined	0.05	(*)	CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
FT	0305	Olives	1		CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
DM	0305	Olives, Processed	0.05	(*)	CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
VA	0385	Onion, Bulb	0.2		CXL			
VA	0385	Onion, Bulb	0.05	(*)	6(a)	98	32	
FP	0230	Pear	1		CXL		(1991)	To be replaced by the MRL for pome fruits (1998 JMPR)
VP	0063	Peas (pods and succulent=immature seeds)	0.5		CXL			
VP	0063	Peas (pods and succulent=immature seeds)	1		6(a)	98	32	
VO	0051	Peppers	1	Po	CXL	98		Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
FS	0014	Plums (including prunes)	0.5		CXL		(1997)	
FS	0014	Plums (including prunes)	1		6(a)	98	32	
FP	0009	Pome fruits	0.5		6(a)	98	32	
VR	0589	Potato	0.05		CXL			Confirmed (1998 JMPR).
PF	0111	Poultry fats	0.05	(*)	6	98	32	
PM	0110	Poultry meat	0.05	(*)	6	98	32	
PO	0111	Poultry, Edible offal of	0.05	(*)	6	98	32	
MO	0822	Sheep, Edible offal of	0.05	(*)	6	98	32	
GC	0651	Sorghum	0.01	(*)	6	98	32	
VR	0596	Sugar beet	0.05		CXL			Confirmed (1998 JMPR).
AV	0596	Sugar beet leaves or tops	1		CXL			
AV	0596	Sugar beet leaves or tops	0.1		6(a)	98	32	
VO	0448	Tomato	1	Po	CXL			
VO	0448	Tomato	2		6(a)	98	32	
VL	0506	Turnip greens	1		6	98	32	
VR	0506	Turnip, Garden	0.5		CXL			
VR	0506	Turnip, Garden	0.1		6(a)	98	32	
GC	0654	Wheat	0.2		6	98	32	
AS	0654	Wheat straw and fodder,	10		6	98	32	

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**30 DIPHENYLAMINE**

Main Uses 21 STORAGE SCALD PREVENTOR

JMPR 69, 76, 79R, 82T, 84, 98T, 01R

ADI 0.08 mg/kg body weight (1998)

RESIDUE Diphenylamine.

Note Previous ADI 0.02 mg/kg bw (1984).

Commodit

Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP	0226 Apple	5	Po	CXL			
FP	0226 Apple	10	Po	3(a)	01		
JF	0226 Apple juice	0.5	PoP	3	01		
MO	1280 Cattle kidney	0.01	(*)	3	01		
MO	1281 Cattle liver	0.05		3	01		
MM	0812 Cattle meat	0.01	(*) (fat)	3	01		
ML	0812 Cattle milk	0.0004	(*) F	3	01		Equivalent to 0.01 mg/kg (*) in the milkfat.
FP	0230 Pear	5	Po	3	01		

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**31 DIQUAT**

Main Uses 7 HERBICIDE

JMPR 70, 72, 76R, 77, 78R, 93T, 94R' (01R)

ADI 0.002 mg diquat cation/kg body weight (1993)

RESIDUE Diquat cation.

Generally available as dibromide.

Note New residue trials are being carried out on asparagus, broad bean, runner bean, cabbages, cotton seed, cucumber, olives, strawberry, tomato and wheat. Diquat was also used on maize, rice, alfalfa and clover, but only for seed production. (30.42)

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	100	CXL		(1999)	
GC	0640 Barley	5	CXL			Confirmed (1994 JMPR)
VD	0071 Beans (dry)	0.2	CXL		(1999)	
AL	1023 Clover	50	CXL		(1999)	
MO	0105 Edible offal (mammalian)	0.05 (*)	CXL			Confirmed (1994 JMPR)
PE	0112 Eggs	0.05 (*)	CXL			Confirmed (1994 JMPR)
VD	0533 Lentil (dry)	0.2	CXL		(1999)	
GC	0645 Maize	0.05 (*)	CXL		(1999)	
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	CXL			Confirmed (1994 JMPR)
ML	0106 Milks	0.01 (*)	CXL			Confirmed (1994 JMPR)
GC	0647 Oats	2	CXL		(1999)	
VD	0072 Peas (dry)	0.2	CXL		(1999)	
VR	0589 Potato	0.05	CXL		(1999)	
PM	0110 Poultry meat	0.05 (*)	CXL		(1999)	
PO	0111 Poultry, Edible offal of	0.05 (*)	CXL		(1999)	
SO	0495 Rape seed	2	CXL			Confirmed (1994 JMPR)
GC	0649 Rice	10	CXL		(1999)	
CM	0649 Rice, Husked	1	CXL		(1999)	
CM	1205 Rice, Polished	0.2	CXL			Confirmed (1994 JMPR)
GC	0651 Sorghum	2	CXL			Confirmed (1994 JMPR)
VD	0541 Soya bean (dry)	0.2	CXL		(1999)	
SO	0702 Sunflower seed	1	CXL		(1999)	
OC	0172 Vegetable oils, Crude	0.05 (*)	CXL		(1999)	
AO1	0002 Vegetables (except as otherwise listed)	0.05 (*)	CXL	94	23, 25	The Committee decided that no further action was required on this MRL. Withdrawal recommended (1994 JMPR)

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GC	0654	Wheat	2
CM	0654	Wheat bran, Unprocessed	5
CF	1211	Wheat flour	0.5
CF	1212	Wheat wholemeal	2

CXL		
CXL		
CXL	(1999)	
CXL		

Confirmed (1994 JMPR)
Confirmed (1994 JMPR)
Confirmed (1994 JMPR)

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**32 ENDOSULFAN**

Main Uses 8 INSECTICIDE

JMPR 65T, 67, 68, 71R, 74R, 75R, 82T, 85, 89, 93R, 98T' (03R')

ADI 0.006 mg/kg body weight (1989, confirmed 1998)

AcuteRfD 0.02

RESIDUE Sum of alpha- and beta-endosulfan and endosulfan sulphate (fat-soluble).

Note TMDI: 20-120% of the ADI

New field trials on broccoli were available in the USA (31.48). The following commodities would be supported: cacao bean, citrus fruits, coffee bean, cotton seed, wine and table grapes, hazelnut, melon (except watermelon), peach, pineapple, pome fruit, potato, soya bean, sugar beet, tea and tomato (31.49).

The CCPR-32 noted that, in addition to the above commodities, new residue trials data would be submitted for: broad bean (green pods and immature seeds), broccoli, cabbages, head, cabbage, Savoy, carrot, cauliflower, celery, cherries, cucumber, kale, meat (mammalian), milks, peppers, sweet, rice, squash, summer, and water melon. It maintained all CXLs awaiting the residue evaluation by the 2003 JMPR (32.93).

Code	Commodit Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1021 Alfalfa forage (green)	1	CXL		(1991)	
VP	0522 Broad bean (green pods and immature seeds)	0.5	3	93	32	
VB	0400 Broccoli	0.5	6	89, 93	24, 25, 31, 32	
VB	0403 Cabbage, Savoy	2	6	89, 93	24, 25, 32	
VB	0041 Cabbages, Head	1	6	89, 93	24, 25, 32	Except cabbage, Savoy
SB	0715 Cacao beans	0.1	3	93	32	
VR	0577 Carrot	0.2	CXL			
VB	0404 Cauliflower	0.5	6	89, 93	24, 25, 32	
VS	0624 Celery	2	CXL		(1991)	
FS	0013 Cherries	1	CXL		(1991)	
AL	1023 Clover	1	CXL		(1991)	
SB	0716 Coffee beans	0.1	3	93	32	
VP	0526 Common bean (pods and/or immature seeds)	0.5	CXL		(1993)	
SO	0691 Cotton seed	1	CXL			
OC	0691 Cotton seed oil, Crude	0.5	CXL			
VC	0424 Cucumber	0.5	3	93	32	
AO2	0002 Fruits (except as otherwise listed)	2	CXL	93	24, 32	Withdrawal recommended (1993 JMPR)
VP	0528 Garden pea (young pods)	0.5	CXL		(1991)	
FB	0269 Grapes	1	3	93		
VL	0480 Kale	1	CXL		(1991)	

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VL	0482	Lettuce, Head	1		CXL		(1991)	
VL	0483	Lettuce, Leaf	1		CXL		(1991)	
GC	0645	Maize	0.1		3	93		
MM	0095	Meat (from mammals other than marine mammals)	0.1	(fat)	CXL		(1993)	
VC	0046	Melons, except watermelon	0.5		3	93		
ML	0106	Milks	0.004	F	CXL		(1993)	
VA	0385	Onion, Bulb	0.2		CXL			
FC	0004	Oranges, Sweet, Sour	0.5		3	93		
FS	0247	Peach	1		3	93		
FI	0353	Pineapple	2	Po	3	93		
FS	0014	Plums (including prunes)	1		CXL		(1991)	
FP	0009	Pome fruits	1		CXL		(1991)	
VR	0589	Potato	0.2		CXL			
SO	0495	Rape seed	0.5		3	93		
GC	0649	Rice	0.1		CXL			
VD	0541	Soya bean (dry)	1		3	93		
VL	0502	Spinach	2		CXL		(1991)	
VC	0431	Squash, Summer	0.5		3	93		
VR	0596	Sugar beet	0.1		CXL		(1991)	
AV	0596	Sugar beet leaves or tops	1		CXL		(1991)	
SO	0702	Sunflower seed	1		3	93		
VR	0508	Sweet potato	0.2		CXL			
DT	1114	Tea, Green, Black	30		CXL			
VO	0448	Tomato	0.5		3	93		
AL	1028	Trefoil	1		CXL		(1991)	
AO1	0002	Vegetables (except as otherwise listed)	2		CXL	93	24	Withdrawal recommended (1993 JMPR)
GC	0654	Wheat	0.2		3	93		



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**34 ETHION**

Main Uses 8 INSECTICIDE  
JMPR 68, 69R, 70R, 72, 75R, 82T, 83R, 85T, 86T, 89T, 90T, 94R'  
ADI 0.002 mg/kg body weight (1990)  
RESIDUE Ethion (fat-soluble).

Commodit						
Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FC	0001 Citrus fruits	5	CXL		(1997)	

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**35 ETHOXYQUIN**

Main Uses 22 SCALD CONTROL AGENT

JMPR 69, 98T', 99R'

ADI 0.005 mg/kg body weight (1998)

RESIDUE Ethoxyquin.

Note Previous ADI 0.06 mg/kg bw (1969)

The CCPR was informed that the required toxicology data would be available by 2004 (33.91). The delegations of France and Spain informed the CCPR that they have uses on apples and pears as post harvest treatment (33.92).

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0230 Pear	3 Po	CXL	99	26, 27, 28, 29, 31, 33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting toxicity

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**37 FENITROTHION**

Main Uses 8 INSECTICIDE

JMPR 69, 74, 76R, 77, 79R, 82T, 83R, 84, 86, 88T, 89R, 00T' (01R')

ADI 0.005 mg/kg body weight (1988; confirmed 2000)

AcuteRfD 0.04

RESIDUE Fenitrothion (fat-soluble).

Note Information on which CXLs will be supported would be made available in 2001. The CCPR-34 would consider deletion of the MRLs for commodities no longer supported (33.95).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	0.5	CXL			
VB	0041 Cabbages, Head	0.5	CXL			
SB	0715 Cacao beans	0.1	CXL			
VB	0404 Cauliflower	0.1	CXL			
GC	0080 Cereal grains	10	Po			
FS	0013 Cherries	0.5	CXL			
FC	0001 Citrus fruits	2	CXL			
VC	0424 Cucumber	0.05	(*)			
VO	0440 Egg plant	0.1	CXL			
FB	0269 Grapes	0.5	CXL			
VA	0384 Leek	0.2	CXL			
VL	0482 Lettuce, Head	0.5	CXL			
MM	0095 Meat (from mammals other than marine mammals)	0.05	(*) (fat)	E		
ML	0106 Milks	0.002	(*)	E		
VA	0385 Onion, Bulb	0.05	(*)			
FS	0247 Peach	1	CXL			
FP	0230 Pear	0.5	CXL			
VP	0063 Peas (pods and succulent=immature seeds)	0.5	CXL			
VO	0051 Peppers	0.1	CXL			
VR	0589 Potato	0.05	(*)			
VR	0494 Radish	0.2	CXL			
CM	1206 Rice bran, Unprocessed	20	PoP			
CM	1205 Rice, Polished	1	PoP			
VD	0541 Soya bean (dry)	0.1	CXL			

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FB	0275	Strawberry	0.5		CXL	
DT	1114	Tea, Green, Black	0.5		CXL	
VO	0448	Tomato	0.5		CXL	
CF	0654	Wheat bran, Processed	2	PoP	CXL	
CM	0654	Wheat bran, Unprocessed	20	PoP	CXL	
CF	1211	Wheat flour	2	PoP	CXL	(1991)
CF	1212	Wheat wholemeal	5	PoP	CXL	
CP	1211	White bread	0.2	PoP	CXL	

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**39 FENTHION**

Main Uses 8 INSECTICIDE

JMPR 71, 75, 77R, 78, 79T, 80T, 83R, 89R, 95', 97T, 00R

ADI 0.007 mg/kg body weight (1995)

AcuteRfD 0.01

RESIDUE Sum of fenthion, its oxygen analogue and their sulphoxides and sulphones, expressed as fenthion (fat-soluble).

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FS 0013	Cherries	2	CXL			Confirmed (1995 JMPR)
FC 0001	Citrus fruits	2	CXL	95		To be replaced by individual MRLs (1995 JMPR)
FC 0003	Mandarins	0.5	7B(a)	95	29, 30, 31	It was reported that residues were found only in the inedible portion. Data from trials supporting the new GAP would not be available in time for evaluation in 2000 (31.51)
MM 0095	Meat (from mammals other than marine mammals)	2 (fat)	CXL	95, 00	29, 32	The MRL accommodates external animal treatment. Withdrawal recommended (1995 & 2000 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting data on animal feeding studies (29.50). Retained beyond the 4-year period pending the review by the 2000 JMPR (32.95)
ML 0106	Milks	0.05 F	CXL	95, 00	29, 32	The MRL accommodates external animal treatment. Withdrawal recommended (1995 & 2000 JMPR). Retained for 4 years under the Periodic Review Procedure pending data on animal feeding studies (29.50). Retained beyond the 4-year period pending the review by the 2000 JMPR
OC 0305	Olive oil, Virgin	1	CXL			
OC 0305	Olive oil, Virgin	3	7B(a)	95	29, 30, 31	The 1997 JMPR estimated that ingestion of up to 200 ml of virgin olive oil containing residues at the MRL level would not lead to exposure exceeding the acute RfD of 0.01 mg/kg bw. The Committee noted that new GAP was being developed in the EC (30.43). New data on olives would be available for the 2000 JMPR
FT 0305	Olives	1	CXL			Confirmed (1995 JMPR)
FC 0004	Oranges, Sweet, Sour	0.5	7B(a)	95	29, 30, 31	It was reported that residues were found only in the inedible portion. Data from trials supporting the new GAP would not be available in time for evaluation in 2000 (31.51)
CM 0649	Rice, Husked	0.05	CXL		(1997)	

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40 FENTIN

Main Uses 5 FUNGICIDE

JMPR 65T, 70, 72R, 86R, 91, 93R, 94R

ADI 0.0005 mg/kg body weight for sum of fentin acetate, fentin chloride and fentin hydroxide (1970; confirmed 1991)

RESIDUE Fentin, excluding inorganic tin and di- and mono-phenyltin.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
DH 1100	Hops, Dry	0.5	CXL		(1995)	
VR 0589	Potato	0.1	CXL			
GC 0649	Rice	0.1 (*)	CXL			
VR 0596	Sugar beet	0.2	CXL			

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**41 FOLPET**

Main Uses 5 FUNGICIDE

JMPR 69, 73T, 74R, 82T, 84, 86T, 87R, 90, 93, 94R, 95T, 97R, 98R, 99R

ADI 0.1 mg/kg body weight (1995)

RESIDUE Folpet.

Commodity		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
FP	0226 Apple	10		6	97, 98	33	Cofimed (1999 JMPR)
VC	0424 Cucumber	2	T	CXL			
VC	0424 Cucumber	1		6(a)	94, 97, 98, 99	28, 33	Previous MRL 0.5 mg/kg was recommended for withdrawal by the 1998 JMPR. The 1999 JMPR recommended a new
DF	0269 Dried grapes (=currants, raisins and sultanas)	40		6	97, 98	33	Confirmed (1999 JMPR)
FB	0269 Grapes	2		CXL		(1997)	
FB	0269 Grapes	10		6(a)	97, 98	33	Confirmed (1999 JMPR)
VL	0482 Lettuce, Head	50		6	99	33	
VC	0046 Melons, except watermelon	3		6	97, 98	33	Confirmed (1999 JMPR)
VA	0385 Onion, Bulb	1		6	99	33	
VR	0589 Potato	0.02	(*)	CXL		(1997)	
VR	0589 Potato	0.1		6(a)	99	33	
FB	0275 Strawberry	20	T	CXL			
FB	0275 Strawberry	5		6(a)	93, 97, 98	27, 28, 33	Confirmed (1999 JMPR)
VO	0448 Tomato	3		6	97, 98	33	Confirmed (1999 JMPR)

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**42 FORMOTHION**

Main Uses 8 INSECTICIDE  
JMPR 69, 72R, 73, 78R, 96T', 98R'  
ADI

RESIDUE Formothion is metabolized by plants to dimethoate and omethoate.  
See also (27) dimethoate and (55) omethoate.

Note No longer supported by the manufacturer (26.109). A CXL was revoked by the 21st CAC.  
Previous ADI of 0.02 mg/kg bw (1973) withdrawn by the 1996 JMPR.

Commodit						
Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note

@@ 0000 No MRL



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**46 HYDROGEN PHOSPHIDE**

Main Uses 4 FUMIGANT

JMPR 65, 66, 67R, 69R, 71R

ADI Not necessary.

RESIDUE All phosphides, expressed as hydrogen phosphide.

Good usage practices should ensure that residues are not present at time of consumption.

Commodit							
Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
SB	0715 Cacao beans	0.01	Po	CXL			
GC	0080 Cereal grains	0.1	Po	CXL			
DF	0167 Dried fruits	0.01	Po	CXL			
DV	0168 Dried vegetables	0.01	Po	CXL			
SO	0697 Peanut	0.01	Po	CXL			
HS	0093 Spices	0.01	Po	CXL			
TN	0085 Tree nuts	0.01	Po	CXL			

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**47 BROMIDE ION**

Main Uses

JMPR 68R, 69, 71R, 79R, 81R, 83R, 88, 89R, 92R

ADI 1 mg/kg body weight (confirmed 1988)

RESIDUE Bromide ion from all sources but not including covalently bound bromine.

Note The 28th CCPR noted that the USA and Israel had registered uses of methylbromide. It decided that the compound should not be referred to the Working Group on Priorities

Commodity						
Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FI	0326 Avocado	75	CXL			
VP	0522 Broad bean (green pods and immature seeds)	500	CXL		(1997)	
VB	0400 Broccoli	30	CXL		(1997)	
VB	0041 Cabbages, Head	100	CXL		(1991)	
VS	0624 Celery	300	CXL		(1991)	
GC	0080 Cereal grains	50	CXL			
FC	0001 Citrus fruits	30	CXL			
VC	0424 Cucumber	100	CXL		(1997)	
DF	0295 Dates, Dried or dried & candied	100	CXL			
DF	0167 Dried fruits	30	CXL			Except as otherwise listed.
DF	0269 Dried grapes (=currants, raisins and sultanas)	100	CXL			
DH	0170 Dried herbs	400	CXL			
DF	0297 Figs, Dried or dried and candied	250	CXL			
AO2	0002 Fruits (except as otherwise listed)	20	CXL		24	
VP	0528 Garden pea (young pods)	500	CXL		(1997)	
VL	0482 Lettuce, Head	100	CXL		(1991)	
VO	0442 Okra	200	CXL		(1997)	
DF	0247 Peach, Dried	50	CXL			
VO	0445 Peppers, Sweet	20	CXL		(1997)	
DF	0014 Prunes	20	CXL			
VR	0494 Radish	200	CXL		(1997)	
HS	0093 Spices	400	CXL			
VC	0431 Squash, Summer	200	CXL		(1997)	

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FB	0275	Strawberry	30	CXL	
VO	0448	Tomato	75	CXL	(1991)
VL	0506	Turnip greens	1000	CXL	(1997)
VR	0506	Turnip, Garden	200	CXL	(1997)
CF	1212	Wheat wholemeal	50	CXL	

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48 LINDANE

Main Uses 8 INSECTICIDE

JMPR 65T, 66, 67R, 68R, 69R, 70, 73, 74R, 75R, 77, 78R, 79R, 89, 97T (01T)(03R')

ADI 0.001 mg/kg body weight (TADI; 1997-2001)

RESIDUE Gamma-HCH (fat-soluble).

Note Previous ADI 0.008 mg/kg bw (1989).

The CCPR-31 postponed to its next session making decision whether or not to recommend revocation of CXLs (except those accompanied y the letter "E") awaiting detailed information on which commodities would be supported and what data would become available. (31.55)

The CCPR-32 noted that data would be sent on seed and soil treatment used for a number of cereal and vegetable commodities for residue evaluation by the 2003 JMPR.

Detailed information was requested on the specific commodities to be supported will in advance of the 33rd Session (32.96)

The MRLs for carrot, eggs, poultry meat, rapeseed, sugar beet and sugar beet leaves and tops would be supported (33.100).

Code	Commodity Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VR	0577 Carrot	0.2	E	CXL		31	
PE	0112 Eggs	0.1	E	CXL		31	
PM	0110 Poultry meat	0.7	(fat) E	CXL		31	
SO	0495 Rape seed	0.05	(*)	CXL		31	
VR	0596 Sugar beet	0.1		CXL		31	
AV	0596 Sugar beet leaves or tops	0.1		CXL		31	

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**49 MALATHION**

Main Uses 8 INSECTICIDE

JMPR 65T, 66, 68R, 69R, 70R, 73R, 75R, 77R, 84R, 97T', 99R', 00R (04R)

ADI 0.3 mg/kg body weight (1997)

RESIDUE Malathion.

Note Acute RfD may be necessary but not yet established (2000 JMPR).

The MRLs for the following commodities would be supported: apple; broccol;, cabbages, head; cereal grains; citrus fruits; grapes; peach; raspberries, red, black; root and tuber vegetables; strawberries (33.101).

The 24th Session of the CAC revoked the MRLs for peach, rapberries (red and black), and root and tuber vegetables. See howvere, ALINORM 01/24A, para 101 and Appendix

Code	Commodit Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	200		6	99	33	
AL	1021 Alfalfa forage (green)	500	dry wt	6	99	33	
FP	0226 Apple	2		CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
VS	0621 Asparagus	1		6	99	33	
VD	0071 Beans (dry)	8	Po	CXL			
VD	0071 Beans (dry)	2		6(a)	99	33	
VP	0061 Beans, except broad bean and soya bean	1		6	99	33	
FB	0020 Blueberries	0.5		CXL			
FB	0020 Blueberries	10		6(a)	99	33	
VB	0400 Broccoli	5		CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
VB	0041 Cabbages, Head	8		CXL	99		Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
GC	0080 Cereal grains	8	Po	CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
FC	0001 Citrus fruits	4		CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
AL	1023 Clover	500	dry wt	6	99	33	
AL	1031 Clover hay or fodder	150		6	99	33	
SO	0691 Cotton seed	20		6	99	33	
OC	0691 Cotton seed oil, Crude	13		6	99	33	

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OR	0691	Cotton seed oil, Edible	13		6	99	33	
VC	0424	Cucumber	0.2		6	99	33	
FB	0269	Grapes	8		CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
AF	0162	Grass forage	200		6	99	33	
AS	0162	Hay or fodder (dry) of grasses	300		6	99	33	
GC	0645	Maize	0.05		6(a)	99	33	
AS	0645	Maize fodder	50		6	99	33	
AF	0645	Maize forage	10	dry wt	6	99	33	
VL	0485	Mustard greens	2		6	99	33	
VA	0385	Onion, Bulb	1		6	99	33	
FP	0230	Pear	0.5		CXL	99		Withdrawal recommended (1999 JMPR).
VO	0051	Peppers	0.5		CXL			
VO	0051	Peppers	0.1		6(a)	99	33	
GC	0651	Sorghum	3		6(a)	99	33	
VL	0502	Spinach	8		CXL			
VL	0502	Spinach	3		6(a)	99	33	
VA	0389	Spring onion	5		6	99	33	
FB	0275	Strawberry	1		CXL			Confirmed (1999 JMPR)
VO	0447	Sweet corn (corn-on-the-cob)	0.02		6	99	33	
VO	0448	Tomato	3		CXL			
VO	0448	Tomato	0.5		6(a)	99	33	
JF	0448	Tomato juice	0.01		6	99	33	
VL	0506	Turnip greens	5		6	99	33	
VR	0506	Turnip, Garden	3		CXL			
VR	0506	Turnip, Garden	0.2		6(a)	99	33	
GC	0654	Wheat	0.5		6(a)	99	33	
CM	0654	Wheat bran, Unprocessed	20	PoP	CXL	00		Withdrawal recommended (2000 JMPR)
CF	1211	Wheat flour	2	PoP	CXL			
CF	1211	Wheat flour	0.2		3(a)	00		
AF	0654	Wheat forage (whole plant)	20	dry wt	6	99	33	
AS	0654	Wheat straw and fodder,	50		6	99	33	
CF	1212	Wheat wholemeal	2	PoP	CXL	00		Withdrawal recommended (2000 JMPR)

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**50 MANCOZEB**

Main Uses 5 FUNGICIDE

JMPR 67, 70, 74R, 77R, 80, 93, 95R

ADI

RESIDUE See (105) dithiocarbamates.

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
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@@ 0001 See related compound(s)

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**51 METHIDATHION**

Main Uses 8 INSECTICIDE  
 JMPR 72, 75, 79R, 92', 94R, 97T  
 ADI 0.001 mg/kg body weight (1992; confirmed 1997)  
 AcuteRfD 0.01  
 RESIDUE Methidathion.

Code	Commodit Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1021 Alfalfa forage (green)	10	CXL		(1995)	
TN	0660 Almonds	0.05 (*)	CXL		(1997)	
FP	0226 Apple	0.5	CXL			
VS	0620 Artichoke globe	0.05 (*)	CXL		(1997)	
VD	0071 Beans (dry)	0.1	CXL		(1997)	
VB	0041 Cabbages, Head	0.1	CXL		(1997)	
MF	0812 Cattle fat	0.02 (*)	CXL			
FS	0013 Cherries	0.2	CXL			
SO	0691 Cotton seed	1	CXL		(1997)	
OC	0691 Cotton seed oil, Crude	2	CXL		(1997)	
VC	0424 Cucumber	0.05	CXL		(1997)	
MO	0097 Edible offal of cattle, pigs & sheep	0.02 (*)	CXL			
PE	0112 Eggs	0.02 (*)	CXL			
MF	0814 Goat fat	0.02 (*)	CXL		(1995)	
MM	0814 Goat meat	0.02 (*)	CXL		(1995)	
MO	0814 Goat, Edible offal of	0.02 (*)	CXL		(1995)	
FC	0203 Grapefruit	2	CXL		(1995)	
FB	0269 Grapes	1	CXL		(1999)	
DH	1100 Hops, Dry	5	CXL		(1995)	
FC	0002 Lemons and limes	2	CXL			
TN	0669 Macadamia nuts	0.01 (*)	CXL		(1997)	
GC	0645 Maize	0.1	CXL			
FC	0003 Mandarins	5	CXL			
MM	0097 Meat of cattle, pigs &	0.02 (*)	CXL			
ML	0106 Milks	0.001	CXL		(1995)	
FS	0245 Nectarine	0.2	CXL			



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OC	0305	Olive oil, Virgin	2		CXL	(1995)
FT	0305	Olives	1		CXL	(1995)
VA	0385	Onion, Bulb	0.1		CXL	(1995)
FC	0004	Oranges, Sweet, Sour	2		CXL	
FS	0247	Peach	0.2		CXL	
FP	0230	Pear	1		CXL	(1999)
VD	0072	Peas (dry)	0.1		CXL	(1997)
VP	0063	Peas (pods and succulent=immature seeds)	0.1		CXL	
TN	0672	Pecan	0.05	(*)	CXL	(1997)
MF	0818	Pig fat	0.02	(*)	CXL	
FI	0353	Pineapple	0.05		CXL	(1995)
FS	0014	Plums (including prunes)	0.2		CXL	
VR	0589	Potato	0.02	(*)	CXL	
PF	0111	Poultry fats	0.02	(*)	CXL	
PM	0110	Poultry meat	0.02	(*)	CXL	
PO	0111	Poultry, Edible offal of	0.02	(*)	CXL	
VR	0494	Radish	0.05	(*)	CXL	(1997)
SO	0495	Rape seed	0.1		CXL	(1995)
SO	0699	Safflower seed	0.1		CXL	(1997)
MF	0822	Sheep fat	0.02	(*)	CXL	
GC	0651	Sorghum	0.2		CXL	(1995)
VR	0596	Sugar beet	0.05	(*)	CXL	(1997)
SO	0702	Sunflower seed	0.5		CXL	(1997)
DT	1114	Tea, Green, Black	0.5		CXL	(1997)
VO	0448	Tomato	0.1		CXL	
TN	0678	Walnuts	0.05	(*)	CXL	(1997)

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**53 MEVINPHOS**

Main Uses 8 INSECTICIDE  
 JMPR 65T, 72, 96T', 97R', 00R  
 ADI 0.0008 mg/kg body weight (1996)  
 AcuteRfD 0.003  
 RESIDUE Sum of (E)- and (Z)-mevinphos.

Note The CCPR-33 requested JMPR to conduct intake calculation for cabbages, head; common bean (pods and/or immature seeds) and leak. (33.102).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VB	0400 Broccoli	1	CXL	97, 00	31	Withdrawal recommended (1997 & 2000 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
VB	0402 Brussels sprouts	1	CXL	97	31	
VB	0041 Cabbages, Head	0.05	CXL		(2001)	
VB	0404 Cauliflower	1	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
FC	0001 Citrus fruits	0.2	CXL	97, 00	31	Withdrawal recommended (1997 & 2000 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
VP	0526 Common bean (pods and/or immature seeds)	0.05	CXL		(2001)	
VC	0424 Cucumber	0.2	CXL	97, 00	31	Withdrawal recommended (1997 & 2000 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
FB	0269 Grapes	0.5	CXL	97, 00	31	Withdrawal recommended (1997 & 2000 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
VA	0384 Leek	0.02	CXL		(2001)	
VC	0046 Melons, except watermelon	0.05 (*)	CXL	97, 00	31	Withdrawal recommended (1997 & 2000 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
VP	0063 Peas (pods and succulent=immature seeds)	0.1	CXL	97, 00	31	Withdrawal recommended (1997 & 2000 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
VL	0502 Spinach	0.5	CXL	97, 00	31	Withdrawal recommended (1997 & 2000 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
FB	0275 Strawberry	1	CXL	97, 00	31	Withdrawal recommended (1997 & 2000 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
VO	0448 Tomato	0.2	CXL	97, 00	31	Withdrawal recommended (1997 & 2000 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)

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**54 MONOCROTOPHOS**

Main Uses 8 INSECTICIDE  
 JMPR 72, 75, 91, 93T, 94R, 95T  
 ADI 0.0006 mg/kg body weight (1993)  
 AcuteRfD 0.002  
 RESIDUE Monocrotophos.

Code	Commodit Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FC	0001 Citrus fruits	0.2	CXL			
VP	0526 Common bean (pods and/or immature seeds)	0.2	CXL			
SO	0691 Cotton seed	0.1	CXL			
OC	0691 Cotton seed oil, Crude	0.05 (*)	CXL			
MO	0097 Edible offal of cattle, pigs & sheep	0.02 (*)	CXL			
VO	0440 Egg plant	0.2	CXL		(1997)	
PE	0112 Eggs	0.02 (*)	CXL			
MM	0814 Goat meat	0.02 (*)	CXL			
MO	0814 Goat, Edible offal of	0.02 (*)	CXL			
GC	0645 Maize	0.05 (*)	CXL			
MM	0097 Meat of cattle, pigs &	0.02 (*)	CXL			
AO3	0001 Milk products	0.02 (*)	CXL			
ML	0106 Milks	0.002 (*)	CXL			
VA	0385 Onion, Bulb	0.1	CXL			
SO	0697 Peanut	0.05 (*)	CXL		(1997)	
VP	0063 Peas (pods and succulent=immature seeds)	0.1	CXL			
VO	0444 Peppers, Chili	0.2	CXL		(1997)	
VR	0589 Potato	0.05 (*)	CXL		26	
PM	0110 Poultry meat	0.02 (*)	CXL			
PO	0111 Poultry, Edible offal of	0.02 (*)	CXL			
VP	0541 Soya bean (immature seeds)	0.05 (*)	CXL			
VR	0596 Sugar beet	0.05 (*)	CXL			
GS	0659 Sugar cane	0.02 (*)	CXL		(1997)	
VC	0432 Watermelon	0.1	CXL		(1997)	

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GC 0654 Wheat

0.02 (\*)

CXL

(1997)

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**55 OMETHOATE**

Main Uses 8 INSECTICIDE

JMPR 71, 75, 78, 79T, 81, 84R, 85T, 86R, 87R, 88R, 90R, 96T, 98R'

ADI (See (27) dimethoate for ADI)

RESIDUE Omethoate.

The MRLs apply to residues that may have resulted from the use of formothion, dimethoate or omethoate.

Note Previous ADI of 0.0003 mg/kg-bw (1985) for omethoate withdrawn by the 1996 JMPR.

The CCPR agreed that the entries for omethoate should indicate the source of each residue (23.101).

The manufacturer had indicated that the compound was no longer supported. However, since omethoate residues can result from uses of dimethoate, all CXLs should not be deleted (26.139).

Residue levels would need to be considered for dimethoate (27.101).

The CCPR-31 noted that omethoate was no longer supported and the 1998 JMPR had withdrawn all previous proposals. The CCPR would consider withdrawal of all MRLs at the 32nd Session. (31.57)

The CCPR-32 noted again that omethoate was no longer in use and its use was not supported. It postponed decision on the MRLs for omethoate to its 33rd Session (32.91)

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	2	6	71, 75, 84, 86, 90, 98	23, 24	Withdrawal recommended (1998 JMPR)
FS 0240	Apricot	2	6	71, 84, 86, 90, 98	23, 24	Withdrawal recommended (1990, 1998 JMPR)
VS 0620	Artichoke globe	0.5	3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
FI 0327	Banana	0.2 (*)	3	90, 98		The estimate is intended to accommodate post-harvest and/or pre-harvest uses of dimethoate (1990 JMPR). Withdrawal recommended (1998 JMPR)
VP 0061	Beans, except broad bean and soya bean	0.2	3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VB 0400	Broccoli	0.2	3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VB 0402	Brussels sprouts	0.2	3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VB 0041	Cabbages, Head	0.5	3	90, 98	T	Withdrawal recommended (1998 JMPR)
VR 0577	Carrot	0.05	3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VB 0404	Cauliflower	0.2	3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VS 0624	Celery	0.1	3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
GC 0080	Cereal grains	0.05	3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)

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FS	0013	Cherries	2		6	71, 84, 86, 90, 23, 24 98	Withdrawal recommended (1998 JMPR)
FC	0001	Citrus fruits	2		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VC	0424	Cucumber	0.2		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
FB	0278	Currant, Black	2		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
FB	0269	Grapes	2		6	71, 75, 90, 98 23, 24	Withdrawal recommended (1998 JMPR)
DH	1100	Hops, Dry	3		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VL	0480	Kale	0.2		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VL	0482	Lettuce, Head	0.2		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VL	0483	Lettuce, Leaf	0.2		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VA	0385	Onion, Bulb	0.5		3	90, 98	Withdrawal recommended (1998 JMPR)
FS	0247	Peach	2		6	71, 84, 86, 90, 23, 24 98	Withdrawal recommended (1998 JMPR)
FP	0230	Pear	2		6	71, 84, 86, 90, 23, 24 98	Withdrawal recommended (1998 JMPR)
VP	0063	Peas (pods and succulent=immature seeds)	0.1		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VO	0051	Peppers	1		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
FS	0014	Plums (including prunes)	1		6	71, 75, 84, 86, 23, 24 90, 98	Changed from 2 mg/kg (1990 JMPR). Withdrawal recommended (1998 JMPR)
VR	0589	Potato	0.05		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VL	0502	Spinach	0.1		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
FB	0275	Strawberry	1		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VR	0596	Sugar beet	0.05		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
AV	0596	Sugar beet leaves or tops	1	T	6	75, 84, 86, 90, 24 98	Withdrawal recommended (1998 JMPR)
VO	0448	Tomato	0.5		3	90, 98	Withdrawal recommended (1998 JMPR)
VR	0506	Turnip, Garden	0.2		3	98	Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)

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VS 0469 Witloof chicory (sprouts) 0.5

6 86, 90, 98 24

The estimate is intended to accommodate post-harvest and/or pre-harvest uses of dimethoate (1990 JMPR).  
Withdrawal recommended (1998 JMPR)

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**56 2-PHENYLPHENOL**

Main Uses 5 FUNGICIDE

JMPR 69, 75R, 83T, 85, 89T, 90, 99' (04R)

ADI 0.4 mg/kg body weight (1999)

RESIDUE Plant commodities: Sum of 2-phenylphenol and sodium 2-phenylphenate, free and conjugated, expressed as 2-phenylphenol.

Note Previous ADI, 0.02 mg/kg bw (1990)

The CCPR-33 noted that new residue data would be supplied in 2002 (33.103)

Commodity		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
FC	0001 Citrus fruits	10	Po	CXL			
FC	0001 Citrus fruits	10	Po	6(a)	99	33	The CCPR-33 decided to add "Po" as 2-phenylphenol is used as a post harvest treatment (33.103, 105).
AB	0001 Citrus pulp, Dry	60	PoP	6	99	33	
JF	0004 Orange juice	0.5	PoP	6	99	33	Some delegations noted that normally no MRL should be established for orange juice (33.104)
FP	0230 Pear	25	Po	CXL	99	26, 32, 33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data to be provided by US grower organization.



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**57 PARAQUAT**

Main Uses 7 HERBICIDE

JMPR 70, 72, 76, 78R, 81R, 82T, 85T, 86T (02')

ADI 0.004 mg paraquat cation/kg body weight. (1986)

RESIDUE Paraquat cation (generally available as dichloride).

ADI and MRLs are based on data resulting from the use of paraquat dichloride.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
MO	1280 Cattle kidney	0.5	CXL			
SO	0691 Cotton seed	0.2	CXL			
OR	0691 Cotton seed oil, Edible	0.05 (*)	CXL			
MO	0097 Edible offal of cattle, pigs & sheep	0.05 (*)	CXL			Except as otherwise listed.
PE	0112 Eggs	0.01 (*)	CXL			
DH	1100 Hops, Dry	0.2	CXL			
GC	0645 Maize	0.1	CXL			
MM	0097 Meat of cattle, pigs &	0.05 (*)	CXL			
ML	0106 Milks	0.01 (*)	CXL			
FT	0305 Olives	1	CXL			
FI	0351 Passion fruit	0.2	CXL			
MO	1284 Pig kidney	0.5	CXL			
VR	0589 Potato	0.2	CXL			
GC	0649 Rice	10	CXL			
CM	1205 Rice, Polished	0.5	CXL			
MO	1288 Sheep kidney	0.5	CXL			
GC	0651 Sorghum	0.5	CXL			
VD	0541 Soya bean (dry)	0.1	CXL			
SO	0702 Sunflower seed	2	CXL			
OC	0702 Sunflower seed oil, Crude	0.05 (*)	CXL			
OR	0702 Sunflower seed oil, Edible	0.05 (*)	CXL			
AO1	0002 Vegetables (except as otherwise listed)	0.05 (*)	CXL		24, 25	No further action required (25.79)

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**58 PARATHION**

Main Uses 8 INSECTICIDE  
 JMPR 65T, 67, 69R, 70R, 84R, 91R, 95T'R, 97R, 00R'  
 ADI 0.004 mg/kg body weight (1995)  
 AcuteRfD 0.01  
 RESIDUE Parathion.

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	0.05 (*)	CXL		(1999)	
FP 0226	Apple	0.2	3(a)	00		The information provided to the JMPR precludes an estimate that the acute dietary intake of children would be below the acute RfD (2000 JMPR)
FS 0240	Apricot	1	CXL	00		Withdrawal recommended (2000 JMPR)
GC 0640	Barley	7	3	00		The information provided to the JMPR precludes an estimate that the acute dietary intake of the general population would be below the acute RfD (2000 JMPR)
AS 0640	Barley straw and fodder,	30	3	00		
SO 0691	Cotton seed	1	CXL		(1997)	
SO 0691	Cotton seed	3	3(a)	00		
VA 0384	Leek	0.05	CXL	00	(1995)	Withdrawal recommended (2000 JMPR)
FC 0204	Lemon	0.5	CXL	00	(1995)	Withdrawal recommended (2000 JMPR)
GC 0645	Maize	0.1	CXL		(1997)	Confirmed (2000 JMPR)
CF 1255	Maize flour	0.1	3	00		
AS 0645	Maize fodder	30	3	00		
AF 0645	Maize forage	10	3	00		
OC 0645	Maize oil, Crude	0.3	3	00		
OR 0645	Maize oil, Edible	0.3	3	00		
FC 0206	Mandarin	0.5	CXL	00	(1995)	Withdrawal recommended (2000 JMPR)
OC 0305	Olive oil, Virgin	2	CXL	00	(1995)	Withdrawal recommended (2000 JMPR)
FT 0305	Olives	0.5	CXL	00	(1995)	Withdrawal recommended (2000 JMPR)
FC 0004	Oranges, Sweet, Sour	0.5	CXL	00	(1995)	Withdrawal recommended (2000 JMPR)
FS 0247	Peach	1	CXL	00		Withdrawal recommended (2000 JMPR)
VR 0589	Potato	0.05 (*)	CXL	00	(1995)	Withdrawal recommended (2000 JMPR)
GC 0651	Sorghum	5	CXL		(1997)	Confirmed (2000 JMPR)
AF 0651	Sorghum forage (green)	10	3	00		

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AS	0651	Sorghum straw and fodder, Dry	15		3	00		
VD	0541	Soya bean (dry)	0.05	(*)	CXL	00	(1997)	Confirmed (2000 JMPR)
AL	0541	Soya bean fodder	2		3	00		
SO	0702	Sunflower seed	0.05	(*)	CXL	00	(1997)	Confirmed (2000 JMPR)
OR	0702	Sunflower seed oil, Edible	0.05	(*)	3	00		
VO	0447	Sweet corn (corn-on-the-cob)	0.05	(*)	3	00		
GC	0654	Wheat	1		3	00		
AS	0654	Wheat straw and fodder,	20		3	00		

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**59 PARATHION-METHYL**

Main Uses 8 INSECTICIDE

JMPR 65T, 68, 72R, 75, 78, 79T, 80T, 82T, 84, 91R, 92R, 94R', 95T', 00R'

ADI 0.003 mg/kg body weight (1995)

AcuteRfD 0.03

RESIDUE Parathion-methyl.

Note The CCPR-29 agreed to consider MRLs for feedingstuffs and associated commodities at its 30th Session taking into account the section on animal transfer studies of the FAO Manual and previous JMPR reports (29.53)  
The CCPR-30 postponed discussion on these MRLs pending the review of animal feeding studies and Periodic Review (residues) by the 2000 JMPR (30.48).

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	70	3	00		
AL 1021	Alfalfa forage (green)	70	3	00		
FP 0226	Apple	0.2	3	00		
VS 0620	Artichoke globe	2	CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
AL 1030	Bean forage (green)	1	6	94, 00	29, 30	Confirmed (2000 JMPR)
VD 0071	Beans (dry)	0.05 (*)	CXL	00	(1997)	Confirmed (2000 JMPR)
VB 0400	Broccoli	0.2	CXL	00	(1999)	Withdrawal recommended (2000 JMPR)
VB 0041	Cabbages, Head	0.2	CXL		(1999)	
VB 0041	Cabbages, Head	0.05	3(a)	00		
VR 0577	Carrot	1	CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
VS 0624	Celery	5	CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
FS 0013	Cherries	0.01 (*)	CXL	00	(1995)	Withdrawal recommended (2000 JMPR)
AL 1023	Clover	10	6	94, 00	29, 30	Withdrawal recommended (2000 JMPR)
VP 0526	Common bean (pods and/or immature seeds)	0.05 (*)	CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
SO 0691	Cotton seed	25	3	00		
OC 0691	Cotton seed oil, Crude	10	3	00		
OR 0691	Cotton seed oil, Edible	10	3	00		
DF 0269	Dried grapes (=currants, raisins and sultanas)	1	3	00		
VP 0528	Garden pea (young pods)	1	CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
FB 0268	Gooseberry	0.01 (*)	CXL	00	(1995)	Withdrawal recommended (2000 JMPR)
FB 0269	Grapes	0.5	3	00		
AS 0162	Hay or fodder (dry) of grasses	5	6	94, 00	29, 30	Confirmed (2000 JMPR)

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DH	1100	Hops, Dry	1		CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
VL	0482	Lettuce, Head	0.05	(*)	CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
VL	0483	Lettuce, Leaf	0.5		CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
VP	0534	Lima bean (young pods and/or immature beans)	0.05	(*)	CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
GC	0645	Maize	0.1		3	00		
CF	1255	Maize flour	0.05		3	00		
OC	0645	Maize oil, Crude	0.2		3	00		
OR	0645	Maize oil, Edible	0.1		3	00		
VL	0485	Mustard greens	0.5		CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
AL	0072	Pea hay or pea fodder (dry)	70		3	00		
AL	0528	Pea vines (green)	40		3	00		
FS	0247	Peach	0.3		3	00		
VD	0072	Peas (dry)	0.2		CXL		(1997)	
VD	0072	Peas (dry)	0.3		3(a)	00		
FS	0014	Plums (including prunes)	0.01	(*)	CXL	00	(1995)	Withdrawal recommended (2000 JMPR)
VR	0589	Potato	0.05	(*)	CXL	00	(1997)	Confirmed (2000 JMPR)
SO	0495	Rape seed	0.05		3	00		
OC	0495	Rape seed oil, Crude	0.2		3	00		
OR	0495	Rapeseed oil, Edible	0.2		3	00		
FB	0272	Raspberries, Red, Black	0.01	(*)	CXL	00	(1995)	Withdrawal recommended (2000 JMPR)
GC	0649	Rice	3		6	94, 00	29, 30	Withdrawal recommended (2000 JMPR)
AS	0649	Rice straw and fodder, Dry	10		6	94, 00	29, 30	Withdrawal recommended (2000 JMPR)
CM	0649	Rice, Husked	1		CXL	00	(1999)	Withdrawal recommended (2000 JMPR)
VL	0502	Spinach	0.5		CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
VR	0596	Sugar beet	0.05	(*)	CXL	00		Confirmed (2000 JMPR)
AV	0596	Sugar beet leaves or tops	0.05	(*)	6	94, 00	29, 30	Confirmed (2000 JMPR)
VL	0506	Turnip greens	2		CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
VR	0506	Turnip, Garden	0.05	(*)	CXL	00	(1997)	Withdrawal recommended (2000 JMPR)
GC	0654	Wheat	5		6	94, 00	29, 30	Confirmed (2000 JMPR)
CM	0654	Wheat bran, Unprocessed	10		6	94, 00	29, 30	Confirmed (2000 JMPR)
CF	1211	Wheat flour	2		3	00		
AS	0654	Wheat straw and fodder,	10		6	94, 00	29, 30	Confirmed (2000 JMPR)

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**60 PHOSALONE**

Main Uses 8 INSECTICIDE  
 JMPR 72, 75R, 76R, 93T, 94R', 97T, 99R, 01T  
 ADI 0.02 mg/kg body weight (1997)

AcuteRfD 0.3

RESIDUE Phosalone (fat-soluble).

Note Previous ADI 0.001 mg/kg (1993).

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
TN	0660 Almonds	0.1	CXL		(2001)	
FP	0226 Apple	5	CXL	94	28, 30, 31	Withdrawal recommended (1994 JMPR). Retained for 4 years under the Periodic Review Procedure as new supervised trial data will become available in 1999 (28.47). Retained beyond the 4 year period awaiting the 1999 JMPR review of new data (31.60). To be replaced by the MRL for
TN	0666 Hazelnuts	0.05 (*)	CXL		(2001)	
FP	0009 Pome fruits	2	6(a)	99	33	
FS	0012 Stone fruits	2	6	99	33	
TN	0678 Walnuts	0.05 (*)	CXL		(2001)	

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**61 PHOSPHAMIDON**

Main Uses 8 INSECTICIDE

JMPR 65T, 66T, 68, 69R, 72R, 74R, 82T, 85T, 86T

ADI 0.0005 mg/kg body weight (1986)

RESIDUE Sum of phosphamidon (E- and Z- isomers) and N-desethyl-phosphamidon (E- and Z- isomers).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	0.5	CXL			
VB	0400 Broccoli	0.2	CXL			
VB	0402 Brussels sprouts	0.2	CXL			
VB	0041 Cabbages, Head	0.2	CXL			
VR	0577 Carrot	0.2	CXL			
VR	0578 Celeriac	0.2	CXL			
GC	0080 Cereal grains	0.1	CXL			
FS	0013 Cherries	0.2	CXL			
FC	0001 Citrus fruits	0.4	CXL			
VP	0526 Common bean (pods and/or immature seeds)	0.2	CXL			
VC	0424 Cucumber	0.1	CXL			
VL	0482 Lettuce, Head	0.1	CXL			
FS	0247 Peach	0.2	CXL			
FP	0230 Pear	0.5	CXL			
VP	0063 Peas (pods and succulent=immature seeds)	0.2	CXL			
VO	0051 Peppers	0.2	CXL			
FS	0014 Plums (including prunes)	0.2	CXL			
VR	0075 Root and tuber vegetables	0.05 (*)	CXL			Except carrot and celeriac.
VL	0502 Spinach	0.2	CXL			
FB	0275 Strawberry	0.2	CXL			
VO	0448 Tomato	0.1	CXL			
VC	0432 Watermelon	0.1	CXL			

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**62 PIPERONYL BUTOXIDE**

Main Uses 20 SYNERGIST

JMPR 65, 66, 67R, 69R, 72, 92, 95T', 01R'

ADI 0.2 mg/kg body weight (1995)

RESIDUE Piperonyl butoxide.

Code	Commodity Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
MO	1280 Cattle kidney	0.3		3	01		The MRL accommodates external animal treatment.
MO	1281 Cattle liver	1		3	01		
MM	0812 Cattle meat	5	(fat)	3	01		The MRL accommodates external animal treatment.
ML	0812 Cattle milk	0.2		3	01		The MRL accommodates external animal treatment.
GC	0080 Cereal grains	30	Po	3	01		
FC	0001 Citrus fruits	5		3	01		
JF	0001 Citrus juice	0.05		3	01		
DF	0167 Dried fruits	0.2	Po	3	01		
PE	0112 Eggs	1		3	01		The MRL accomodates external animal treatment.
VC	0045 Fruiting vegetables, Cucurbits	1		3	01		
VL	0483 Lettuce, Leaf	50		3	01		
OC	0645 Maize oil, Crude	80	PoP	3	01		
VL	0485 Mustard greens	50		3	01		
AL	0072 Pea hay or pea fodder (dry)	200		3	01		
AL	0528 Pea vines (green)	400		3	01		
SO	0703 Peanut, Whole	1	Po	3	01		
VO	0051 Peppers	2		3	01		
PM	0110 Poultry meat	5	(fat)	3	01		The MRL accomodates external animal treatment.
PO	0111 Poultry, Edible offal of	10		3	01		The MRL accomodates external animal treatment.
VD	0070 Pulses	0.2	Po	3	01		
VL	0494 Radish leaves (including radish tops)	50		3	01		
VR	0075 Root and tuber vegetables	0.5		3	01		
VL	0502 Spinach	50		3	01		
VO	0448 Tomato	2		3	01		
JF	0448 Tomato juice	0.3		3	01		
GC	0654 Wheat	10	Po	CXL		(1995)	To be replaced by MRL for cereal grains (2001 JMPR)



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CM	0654	Wheat bran, Unprocessed	100	PoP	3	01
CF	1211	Wheat flour	10	PoP	3	01
CF	1210	Wheat germ	100	PoP	3	01
CF	1212	Wheat wholemeal	30	PoP	3	01

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**63 PYRETHRINS**

Main Uses 8 INSECTICIDE

JMPR 65T, 66, 67R, 68R, 69R, 70T, 72, 74R, 99T', 00R'

ADI 0.04 mg/kg body weight (1972; confirmed 1999)

AcuteRfD 0.2

RESIDUE Total pyrethrins, calculated as the sum of pyrethrins 1 and 2, cinerins 1 and 2, and jasmolins 1 and 2, determined after calibration with the World Standard pyrethrum extract.

Commodit Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
GC 0080	Cereal grains	3	Po	CXL	00		Withdrawal recommended (2000 JMPR)
FC 0001	Citrus fruits	0.05		3	00		
MD 0180	Dried fish	3	Po	CXL	00		Withdrawal recommended (2000 JMPR)
DF 0167	Dried fruits	1	Po	CXL			
DF 0167	Dried fruits	0.2	Po	3(a)	00		
DV 0168	Dried vegetables	1	Po	CXL	00		Withdrawal recommended (2000 JMPR)
VC 0045	Fruiting vegetables, Cucurbits	0.05	(*)	3	00		
SO 0088	Oilseed	1	Po	CXL	00		Withdrawal recommended (2000 JMPR)
AL 0072	Pea hay or pea fodder (dry)	1		3	00		
AL 0528	Pea vines (green)	10		3	00		dry wt
SO 0697	Peanut	0.5	Po	3	00		
VO 0051	Peppers	0.05	(*)	3	00		
VD 0070	Pulses	0.1		3	00		
VR 0075	Root and tuber vegetables	0.05	(*)	3	00		
VO 0448	Tomato	0.05	(*)	3	00		
TN 0085	Tree nuts	1	Po	CXL	00		Withdrawal recommended (2000 JMPR)

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**64 QUINTOZENE**

Main Uses 5 FUNGICIDE

JMPR 69, 73, 74R, 75, 77, 95', 98R

ADI 0.01 mg/kg body weight for quintozene containing less than 0.1% hexachlorobenzene (1995)

RESIDUE Plant commodities: Quintozene (fat-soluble).

Animal commodities: Sum of quintozene, pentachloroaniline and methyl pentachlorophenyl sulphide, expressed as quintozene (fat-soluble).

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
GC	0640 Barley	0.01 (*)	6	98	32	
AS	0640 Barley straw and fodder,	0.01 (*)	6	98	32	
VB	0400 Broccoli	0.02	CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VB	0400 Broccoli	0.05	6(a)	98	32	
VB	0041 Cabbages, Head	0.02	CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VB	0041 Cabbages, Head	0.1	6(a)	98	32	
PM	0840 Chicken meat	0.1 (*) (fat)	6	98	32	
PO	0840 Chicken, Edible offal of	0.1 (*)	6	98	32	
VD	0526 Common bean (dry)	0.2	CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VD	0526 Common bean (dry)	0.02	6(a)	98	32	
VP	0526 Common bean (pods and/or immature seeds)	0.01	CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VP	0526 Common bean (pods and/or immature seeds)	0.1	6(a)	98	32	
SO	0691 Cotton seed	0.03	CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
SO	0691 Cotton seed	0.01	6(a)	98	32	
PE	0112 Eggs	0.03 (*)	6	98	32	

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GC	0645	Maize	0.01	(*)	6	98	32	
AS	0645	Maize fodder	0.01		6	98	32	
AF	0645	Maize forage	0.01	(*)	6	98	32	
AL	0072	Pea hay or pea fodder (dry)	0.05		6	98	32	
SO	0697	Peanut	2		CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
SO	0697	Peanut	0.5		6(a)	98	32	
SO	0703	Peanut, Whole	5		CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VD	0072	Peas (dry)	0.01		6	98	32	
VO	0445	Peppers, Sweet	0.01		CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VO	0445	Peppers, Sweet	0.05	(*)	6(a)	98	32	
VD	0541	Soya bean (dry)	0.01	(*)	6	98	32	
AL	0541	Soya bean fodder	0.01	(*)	6	98	32	
AL	1265	Soya bean forage (green)	0.01	(*)	6	98	32	
VR	0596	Sugar beet	0.01	(*)	6	98	32	
VO	0448	Tomato	0.1		CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VO	0448	Tomato	0.02		6(a)	98	32	
GC	0654	Wheat	0.01		6	98	32	
AS	0654	Wheat straw and fodder,	0.03		6	98	32	

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**65 THIABENDAZOLE**

Main Uses 5 FUNGICIDE

JMPR 70, 71R, 72R, 75R, 77, 79R, 81R, 97R', 00R

ADI 0.1 mg/kg body weight (1992 by JECFA; confirmed 1997 by JECFA : WHO TRS No 879)

RESIDUE Plant commodities: Thiabendazole.

Animal commodities: Sum of thiabendazole and 5-hydroxythiabendazole.

Note Acute RfD may be necessary but not yet established (2000 JMPR)

Code	Commodit Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP	0226 Apple	10		CXL	97	31	Withdrawal recommended (1997JMPR). Retained for 4 years under the Periodic Review Procedure as new data became available for the 2000 JMPR review (31.65). To be replaced by the MRL for pome fruits (2000 JMPR)
FI	0326 Avocado	15	Po	3	00		
FI	0327 Banana	5	Po	CXL		(1999)	
MO	1280 Cattle kidney	1		3(a)	00		
MO	1281 Cattle liver	0.3		3(a)	00		
MM	0812 Cattle meat	0.1		CXL	00	(2001)	The MRL also accommodates veterinary uses (see also Volume 3, Section 1). The CCPR-32 amended the MRL for the sake of harmonization with the existing MRL for cattle muscle arising from veterinary uses (previously 0.05 mg/kg)(32.101). 0.1 mg/kg confirmed by the 2000 JMPR.
ML	0812 Cattle milk	0.1		CXL		(2001)	The MRL also accommodates veterinary uses (see also Volume 3, Section 1). The CCPR-32 amended the MRL for the sake of harmonization with the existing MRL for the same commodity arising from veterinary uses (previously 0.05 mg/kg)(32.101) The 2000 JMPR recommended a new MRL at 0.2 mg/kg.
ML	0812 Cattle milk	0.2		3(a)	00		
MO	0812 Cattle, Edible offal of	0.1		6(a)	97, 00	31, 32	The CCPR-32 requested JMPR to review the MRL as it might be too low in the light of the sum of individual analytes included in the residue definition (32.101) Withdrawal recommended (2000 JMPR)
FC	0001 Citrus fruits	10	Po	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure as new data became available for the 2000 JMPR review (31.65)
FC	0001 Citrus fruits	3	Po	3(a)	00		
MO	0096 Edible offal of cattle, goats, horses, pigs & sheep	0.1	(*)	CXL			The MRL also accommodates veterinary uses except in the case of horses (see also Volume 3, Section 1). To be replaced by the MRLs for the relevant commodity of cattle

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PE	0112	Eggs	0.1		CXL		(2001)	
FI	0345	Mango	5	Po	3	00		
VC	0046	Melons, except watermelon	1		3	00		
VO	0450	Mushrooms	60		3	97	32, 33	Returned to Step 3 as GAP was modified in the USA. Information on the new GAP will be submitted to JMPR (33.114).
FI	0350	Papaya	10		3	00		
FP	0230	Pear	10		CXL	97	31	Withdrawal recommended (1997JMPR). Retained for 4 years under the Periodic Review Procedure as new data became available for the 2000 JMPR review (31.65). To be replaced by the MRL for pome fruits (2000 JMPR)
FP	0009	Pome fruits	3	Po	3(a)	00		
VR	0589	Potato	15		CXL		(1999)	
VR	0589	Potato	15	Po	3(a)	00		
PM	0110	Poultry meat	0.05		CXL		(1999)	
FB	0275	Strawberry	3		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure as new data became available for the 2000 JMPR review (31.65)
FB	0275	Strawberry	5		3(a)	00		
VS	0469	Witloof chicory (sprouts)	0.05	(*)	CXL		(1999)	

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**67 CYHEXATIN**

Main Uses 1 ACARICIDE

JMPR 70, 73, 74R, 75R, 77T, 78, 80T, 81T, 82R, 83R, 85R, 88T, 89T, 91, 92R, 94T (03T')(04R')

ADI 0.007 mg/kg body weight (1994)

RESIDUE Sum of azocyclotin and cyhexatin, expressed as cyhexatin.

Note The CCPR-25 decided to harmonize the residue definition as "the sum of azocyclotin and cyhexatin expressed as cyhexatin" and to have 2 separate but identical lists.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	2	CXL			Will be supported (32.102)
FC	0001 Citrus fruits	2	CXL			Will be supported (32.102)
FB	0269 Grapes	0.2	CXL		(1993)	Will be supported (32.102)
MM	0095 Meat (from mammals other than marine mammals)	0.2	CXL			The MRL accommodates external animal treatment. Will not be supported (32.102). However, residues may be present in the commodity arising from feedingstuffs.
AO3	0001 Milk products	0.05 (*)	CXL			The MRL accommodates external animal treatment. Will not be supported (32.102). However, residues may be present in the commodity arising from feedingstuffs.
ML	0106 Milks	0.05 (*)	CXL			The MRL accommodates external animal treatment. Will not be supported (32.102). However, residues may be present in the commodity arising from feedingstuffs.
FS	0245 Nectarine	1	7C	91	25, 26, 32	Awaiting a periodic review by a future JMPR meeting and information on GAP from governments (26.172,173). Will not be supported. The CCPR-33 would consider its revocation (32.102)
FS	0247 Peach	1	7B	83, 91	25, 26, 32	Awaiting a periodic review by a future JMPR meeting and information on GAP from governments (26.172,173). Not adopted at Step 8 by the 20th Session of the CAC. Will be supported (32.102)
FP	0230 Pear	2	CXL			Will be supported (32.102)
FS	0014 Plums (including prunes)	2	7B	78, 91	26, 32	Awaiting a periodic review by a future JMPR meeting and information on GAP from governments (26.172,173). Not adopted at Step 8 by the 20th Session of the CAC. Will be supported (32.102)

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**69 BENOMYL**

Main Uses 5 FUNGICIDE

JMPR 73R, 75, 78, 83, 88R, 90R, 94R, 95T', 98R'

ADI 0.1 mg/kg body weight (1995)

RESIDUE Sum of benomyl and carbendazim, expressed as carbendazim.

Residues arising from the use of benomyl are covered by the MRLs for (72) carbendazim.

Note Residue definition changed (1998 JMPR).

The CCPR-32 decided to retain the current residue definitions for benomyl/carbendazim/thiophanate-methyl and to reconsider them at its 33rd session (32.103).

Commodit						
Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note

@@ 0001 See related compound(s)



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**70 BROMOPROPYLATE**

Main Uses 1 ACARICIDE

JMPR 73, 93', 96R

ADI 0.03 mg/kg body weight (1993)

RESIDUE Bromopropylate.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FC	0001 Citrus fruits	2	CXL		(1997)	
VP	0526 Common bean (pods and/or immature seeds)	3	CXL		(1997)	
VC	0424 Cucumber	0.5	CXL		(1997)	
FB	0269 Grapes	2	CXL		(1997)	
VC	0046 Melons, except watermelon	0.5	CXL		(1997)	
FS	0014 Plums (including prunes)	2	CXL		(1995)	
FP	0009 Pome fruits	2	CXL		(1995)	
VC	0431 Squash, Summer	0.5	CXL		(1997)	
FB	0275 Strawberry	2	CXL		(1995)	

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**72 CARBENDAZIM**

Main Uses 5 FUNGICIDE

JMPR 73, 76R, 77T, 78R, 83, 85, 87R, 88R, 90R, 94R, 95T, 98R'

ADI 0.03 mg/kg body weight (1995)

RESIDUE Carbendazim.

MRLs cover carbendazim arising from the direct use of carbendazim or (as a metabolite and/or a hydrolysis product formed during analysis) from the use of benomyl or thiophanate-methyl.

Note Compounds for which sufficient data from trials complying with GAP were provided (B, benomyl; C, carbendazim; Th, thiophanate-methyl). Letters in upper case indicate the source(s) of the data on which the MRL is based.

The CCPR-32 decided to retain the current residue definitions for benomyl/carbendazim/thiophanate-methyl and to reconsider them at its 33rd session. Written submissions specifying precise information on the available data were requested (32.103). The CCPR-33 would consider the issue of extrapolation from peach to other stone fruits and from wheat to rye (32.104).

The CCPR-33 agreed to change the definition to 1998 wording. It decided to consider the issue of the residue definition at its next session. Extrapolation from peach to apricots and nectarines was supported by several delegations. Therefore, the CCPR-33 decided to change the MRL from 0.1 mg/kg to 2 mg/kg for apricot (33.117-118).

Code	Commodity Code	Commodity Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FS	0240	Apricot	2		B	CXL	(2001)	
VS	0621	Asparagus	0.1	(*)	B	CXL	98 (1991) 32	Source of data: benomyl Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
FI	0326	Avocado	0.5		B	CXL	98 (1991) 32	Source of data: benomyl Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
FI	0327	Banana	1	Po	B,C,Th	CXL	(1991)	Source of data: benomyl, carbendazim, thiophanate-methyl
FI	0327	Banana	0.2		B	6(a)	98 32	
GC	0640	Barley	0.5		C	6(a)	94, 98 32	Changed from 0.1 mg/kg (C,Th)(1998 JMPR)
AS	0640	Barley straw and fodder,	2		B	CXL	98 (1991)	Source of data: benomyl The 1998 JMPR recommended an MRL at the same level as the CXL but based on the use of carbendazim
AS	0640	Barley straw and fodder,	2		C	6(a)	98 32	
VD	0071	Beans (dry)	2		B	CXL	(1991)	Source of data: benomyl
VD	0071	Beans (dry)	0.5		Th	6(a)	98 32	
FB	0018	Berries and other small	1		B,Th	6	88, 94, 98 24, 32, 33	Withdrawal recommended (1998 JMPR). To be replaced by the MRL for grapes.
VB	0402	Brussels sprouts	0.5		B	CXL	(1991)	Source of data: benomyl Confirmed (1998 JMPR)
VR	0577	Carrot	0.2		B	6	98 32	
MM	0812	Cattle meat	0.1	(*)	B	CXL	(1991)	Source of data: benomyl
MM	0812	Cattle meat	0.05	(*)	B	6(a)	98 32	

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VS	0624	Celery	2		B,C	CXL	98	(1991)	32	Source of data: benomyl, carbendazim Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
GC	0080	Cereal grains	0.5		B,C,Th	6	88, 94,98	24, 32, 33		To be replaced by MRLs for Barley and Wheat (1998
PF	0840	Chicken fat	0.1	(*)	Th	CXL		(1991)		Source of data: thiophanate-methyl
PF	0840	Chicken fat	0.05	(*)	B	6(a)	98	32		
SB	0716	Coffee beans	0.1	(*)	C	CXL	98	(1991)	32	Source of data: carbendazim Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data
VP	0526	Common bean (pods and/or immature seeds)	2		B,C,Th	CXL	98	(1991)	32	Source of data: benomyl, carbendazim, thiophanate-methyl Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
VC	0424	Cucumber	0.5		B,C,Th	CXL		(1991)		Source of data: benomyl, carbendazim, thiophanate-methyl
VC	0424	Cucumber	0.05	(*)	b, C	6(a)	98	32		
MO	0105	Edible offal (mammalian)	0.05	(*)	B	6	98	32		
PE	0112	Eggs	0.1	(*)	B,Th	CXL		(1991)		Source of data: benomyl, thiophanate-methyl
PE	0112	Eggs	0.05	(*)	B	6(a)	98	32		
VP	0529	Garden pea, Shelled	0.02		Th	6	98	32		
VC	0425	Gherkin	2		C,Th	CXL		(1991)		Source of data: carbendazim, thiophanate-methyl
VC	0425	Gherkin	0.05	(*)	b,C	6(a)	98	32		
FB	0269	Grapes	3		b, Th	6(a)	98	32		
VL	0482	Lettuce, Head	5		Th	6	73,75,78,83,88, 94,98	24, 32, 33		Withdrawal recommended (1998 JMPR). Retained because of commitment to submit data (32.103).
FI	0345	Mango	2		B	CXL	98	(1991)	32	Source of data: benomyl Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
ML	0106	Milks	0.1	(*)	B	CXL		(1991)		Source of data: benomyl
ML	0106	Milks	0.05	(*)	B	6(a)	98	32		
FS	0245	Nectarine	2		B	CXL		(2001)		Source of data: benomyl
GC	0647	Oats	0.1		C	6(a)	94, 98	32		Withdrawal recommended (1998 JMPR)
VA	0385	Onion, Bulb	2		C,Th	CXL	98	(1991)	32	Source of data: carbendazim, thiophanate-methyl Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
FC	0004	Oranges, Sweet, Sour	1		B	6	98	32		
FS	0247	Peach	2		B	CXL		(2001)		Source of data: benomyl
VO	0051	Peppers	0.1		Th	6	83, 88, 94 ,98	24, 32, 33		Withdrawal recommended (1998 JMPR). Retained because of commitment to submit data (32.103)
FI	0353	Pineapple	5		B	6	98	32		

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FS	0014	Plums (including prunes)	0.5		B	CXL			(2001)	Source of data: benomyl
FP	0009	Pome fruits	3		B,c,th	CXL			(2001)	Source of data: benomyl, carbendazim, thiophanate-methyl. Based on benomyl use.
PM	0110	Poultry meat	0.1	(*)	B,Th	CXL			(1991)	Source of data: benomyl, thiophanate-methyl
PM	0110	Poultry meat	0.05	(*)	B	6(a)	98		32	
SO	0495	Rape seed	0.1	(*)	C	CXL			(1991)	Source of data: carbendazim
SO	0495	Rape seed	0.05	(*)	C	6(a)	98		32	
AS	0649	Rice straw and fodder, Dry	15		B,C,Th	CXL	98		(1991)	Source of data: benomyl, carbendazim, thiophanate-methyl The 1998 JMPR recommended an MRL at the same level as the CXL but based on the use of benomyl.
AS	0649	Rice straw and fodder, Dry	15		B	6(a)	98		32	
CM	0649	Rice, Husked	2		B	6(a)	98		32	
GC	0650	Rye	0.1		C,Th	6(a)	94, 98		32	Withdrawal recommended (1998 JMPR)
VD	0541	Soya bean (dry)	0.2		C	CXL	98		(1991) 32	Source of data: carbendazim Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data
AL	0541	Soya bean fodder	0.1	(*)	C	CXL	98		(1991) 32	Source of data: carbendazim Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data
VR	0508	Sweet potato	1		B	CXL	98		(1991) 32	Source of data: benomyl Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
VO	0448	Tomato	0.5		b,C	CXL			(2001)	Source of data: benomyl, carbendazim. Based on carbendazim use.
TN	0085	Tree nuts	0.1	(*)	B	CXL	98		(1991) 32	Source of data: benomyl Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data on macadamia nut (32.103).
GC	0654	Wheat	0.05	(*)	b,Th	6(a)	94, 98		32	Changed from 0.1 mg/kg (B,C,Th) (1998 JMPR)
AS	0654	Wheat straw and fodder,	5		B	CXL			(1991)	Source of data: benomyl
AS	0654	Wheat straw and fodder,	1		B,C	6(a)	98		32	

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**73 DEMETON-S-METHYL**

Main Uses 8 INSECTICIDE

JMPR 73, 79R, 82T, 84, 89, 92R, 98R'

ADI 0.0003 mg/kg body weight (1989; for demeton-S-methyl and related compounds, alone or in combination)

RESIDUE Sum of oxydemeton-methyl, demeton-S-methyl and demeton-S-methylsulphon expressed as oxydemeton-methyl.  
See (166) oxydemeton-methyl.

Commodit						
Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
@@	0001	See related compound(s)				

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**74 DISULFOTON**

Main Uses 8 INSECTICIDE / ACARICIDE

JMPR 73, 75, 79R, 81R, 84R, 91, 94R, 96T, 98R

ADI 0.0003 mg/kg body weight (1991)

AcuteRfD 0.003

RESIDUE Sum of disulfoton, demeton-S and their sulphoxides and sulphones, expressed as disulfoton.

Note The CCPR-28 amended the MRLs at or about the limit of determination to read 0.02 mg/kg (\*) and kept them at Step 7B awaiting the outcome of the 1996 JMPR. The MRLs for maize and milk of cattle, goats and sheep at the levels below the new limit of determination were also kept at Step 7B (28.52). The CCPR-28 kept all other proposals at Step 7C due to intake concerns (28.54).

The CCPR-29 kept those MRLs at Step 7B pending the 1998 JMPR evaluation including STMR and processing data (29.57).

The CCPR-31 returned all draft MRLs to Step 6 for government comments and subsequent discussion at the CCPR-32 (31.67).

The CCPR-32 noted that: rice and sorghum were the main source of the intake except in the European regional diet; and the manufacturer was considering not to support the CXLs for rice and sorghum. The CCPR-33 would consider revocation of these CXLs at its 33rd Session. All draft MRLs were returned to Step 6 for consideration at the 33rd Session (32.105)

The CCPR-33 noted that the MRLs for rice, sorghum and sorghum forage (green) would not be supported due to intake concerns and it would be informed on which used would

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	5 (dry wt)	CXL		(1995)	
VS 0621	Asparagus	0.02 (*)	6	91	28, 31, 32, 33	
GC 0640	Barley	0.2	6(a)	91, 94	28, 29, 31, 32, 33	Confirmed (1994 JMPR).
AS 0640	Barley straw and fodder,	3	CXL		(1995)	
VD 0071	Beans (dry)	0.2	6	91, 94, 98	28, 29, 31, 32, 33	Changed from 0.05 mg/kg at Step 7B (1998 JMPR)
VB 0400	Broccoli	0.1	6	91, 94	26, 28, 29, 31, 32, 33	Changed from 0.2 mg/kg (1994 JMPR).
VB 0041	Cabbages, Head	0.2	6	91, 94	26, 28, 29, 31, 32, 33	
VB 0404	Cauliflower	0.05	6	91, 94	28, 29, 31, 32, 33	Changed from 0.2 mg/kg (1994 JMPR).
GC 0080	Cereal grains	0.2	CXL			Except rice and maize. To be replaced by the MRLs for individual commodities.
PE 0840	Chicken eggs	0.02 (*)	6	91	25, 28, 31, 32, 33	
AL 1031	Clover hay or fodder	10	CXL			
SB 0716	Coffee beans	0.2	CXL		(1995)	
VP 0526	Common bean (pods and/or immature seeds)	0.2	6	91, 94	28, 29, 31, 32, 33	Confirmed (1994 JMPR).
SO 0691	Cotton seed	0.1	6	91, 94, 98	28, 29, 31, 32, 33	Confirmed (1994 & 1998 JMPR); formerly at Step 7B.

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AO3	1600	Forage crops (green)	5		CXL			Except maize forage. To be replaced by the MRLs for individual commodities.
VP	0528	Garden pea (young pods)	0.1		6	91, 94	28, 29, 31, 32, 33	
VP	0529	Garden pea, Shelled	0.02	(*)	6	91, 94	28, 31, 32, 33	
VL	0482	Lettuce, Head	1		6	91, 98	25, 26, 28, 29, 31, 32, 33	Confirmed (1998 JMPR); formerly at Step 7B.
VL	0483	Lettuce, Leaf	1		6	91, 98	26, 28, 29, 31, 32, 33	Confirmed (1998 JMPR); formerly at Step 7B.
GC	0645	Maize	0.5		CXL			
GC	0645	Maize	0.02	(*)	6(a)	91, 94, 98	26, 28, 31, 32, 33	Changed from 0.01 mg/kg at Step 7B (1998 JMPR).
AS	0645	Maize fodder	3		CXL		(1995)	
AF	0645	Maize forage	1		CXL		(1995)	
ML	0107	Milk of cattle, goats &	0.01		6	91, 94	25, 26, 28, 31, 32, 33	Changed from 0.02 mg/kg (1994 JMPR).
AF	0647	Oat forage (green)	0.5		6(a)	91, 94	26, 28, 29, 31, 32, 33	Confirmed (1994 JMPR)
AS	0647	Oat straw and fodder, Dry	0.05		6	91, 94	26, 28, 29, 31, 32, 33	Confirmed (1994 JMPR)
GC	0647	Oats	0.02	(*)	6(a)	91, 94	28, 31, 32, 33	Confirmed (1994 JMPR)
SO	0697	Peanut	0.1		CXL			
TN	0672	Pecan	0.1		CXL			
FI	0353	Pineapple	0.1		CXL			
VR	0589	Potato	0.5		CXL	98		Confirmed (1998 JMPR).
PM	0110	Poultry meat	0.02	(*)	6	91	28, 31, 32, 33	
VR	0591	Radish, Japanese	0.2		CXL		(1995)	
VR	0596	Sugar beet	0.2		CXL		(1995)	
AV	0596	Sugar beet leaves or tops	2		CXL		(1995)	
VO	0447	Sweet corn (corn-on-the-cob)	0.02	(*)	6	91	28, 31, 32, 33	
VO	1275	Sweet corn (kernels)	0.02	(*)	6	91	28, 31, 32, 33	
AO1	0002	Vegetables (except as otherwise listed)	0.5		CXL		23, 25	To be recommended for deletion when proposals of the relevant individual commodities reach Step 8 (25.96)
GC	0654	Wheat	0.2		6(a)	91, 94	28, 29, 31, 32, 33	Confirmed (1994 JMPR).
AF	0654	Wheat forage (whole plant)	1		6(a)	91, 94	26, 28, 29, 31, 32, 33	Changed from 2 mg/kg (1994 JMPR).
AS	0654	Wheat straw and fodder,	5		6	91, 94	26, 28, 29, 31, 32, 33	Changed from 10 mg/kg (1994 JMPR).

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**75 PROPOXUR**

Main Uses 8 INSECTICIDE

JMPR 73, 77, 81, 83, 89, 91, 96R

ADI 0.02 mg/kg body weight (1973; confirmed 1989)

RESIDUE Propoxur.

Note The CCPR-33 would consider the revocation of all CXLs as the compound was no longer supported (33.124).

Commodit							
Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP	0226 Apple	3		CXL			
FB	0264 Blackberries	3		CXL			
VP	0522 Broad bean (green pods and immature seeds)	0.05	(*)	CXL		(1995)	
VB	0403 Cabbage, Savoy	0.5		CXL		(1995)	
VR	0577 Carrot	0.05	(*)	CXL		(1995)	
FS	0013 Cherries	3		CXL			
VP	0526 Common bean (pods and/or immature seeds)	1		CXL		(1995)	
VC	0424 Cucumber	0.1		CXL		(1995)	
FB	0279 Currant, Red, White	3		CXL			
VP	0528 Garden pea (young pods)	0.05		CXL		(1995)	
FB	0268 Gooseberry	3		CXL			
VB	0405 Kohlrabi	0.2		CXL		(1995)	
VA	0384 Leek	1		CXL		(1995)	
AL	0157 Legume animal feeds	1		CXL			
VL	0482 Lettuce, Head	0.5		CXL		(1999)	
MM	0095 Meat (from mammals other than marine mammals)	0.05	(*)	CXL			
ML	0106 Milks	0.05	(*)	CXL			
VA	0385 Onion, Bulb	0.05	(*)	CXL		(1995)	
FS	0247 Peach	3		CXL			
FP	0230 Pear	3		CXL			
FS	0014 Plums (including prunes)	3		CXL			
VR	0589 Potato	0.02	(*)	CXL		(1999)	
CM	0649 Rice, Husked	0.1		CXL			
VL	0502 Spinach	2		CXL		(1995)	



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FB 0275 Strawberry  
VO 0448 Tomato

3  
0.05

CXL  
CXL

(1995)

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**77 THIOPHANATE-METHYL**

Main Uses 5 FUNGICIDE

JMPR 73, 75, 77T, 78R, 88R, 90R, 94R, 95T, 98R,T

ADI 0.08 mg/kg body weight (1998)

RESIDUE Sum of thiophanate-methyl and carbendazim, expressed as carbendazim.

Note The CCPR will recommend to the Commission the revocation of all MRLs when the MRLs for carbendazim (72) reach Step 8 (21.112: 22.119).

Residues arising from the use of thiophanate-methyl are covered by the MRLs for carbendazim (1998 JMPR).

The 1998 JMPR changed residue definition. Previous ADI 0.02 mg/kg bw (1995).

The CCPR-33 noted that new residue data would become available for review by the 2002 JMPR including apricot, beans (dry), snap bean, bean forage and hay, celery, cherry, melons, peanut, peanut forage and hay, peppers, potato (seed treatment), sheep meat, soya bean, squashi and sugar beet root and tops (33.125).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	5 Po	CXL		32	
VR	0577 Carrot	5 Po	CXL		32	
VS	0624 Celery	20 Po	CXL		23, 32	The Committee recommended deletion unless data to support this MRL higher than that for carbendazim is
GC	0080 Cereal grains	0.1 (*)	CXL		32	
FS	0013 Cherries	10	CXL		32	
PM	0840 Chicken meat	0.1 (*)	CXL		32	
FC	0001 Citrus fruits	10 Po	CXL		32	
FB	0278 Currant, Black	5	CXL		32	
FB	0268 Gooseberry	5	CXL		32	
FB	0269 Grapes	10	CXL		32	
VL	0482 Lettuce, Head	5	CXL		32	
VO	0450 Mushrooms	1	CXL		32	
FS	0247 Peach	10 Po	CXL		32	
FP	0230 Pear	5 Po	CXL		32	
FS	0014 Plums (including prunes)	2	CXL		32	
FB	0272 Raspberries, Red, Black	5	CXL		32	
FB	0275 Strawberry	5	CXL		32	
AV	0596 Sugar beet leaves or tops	5	CXL		32	
VO	0448 Tomato	5	CXL		32	

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Part 1 - 75

**78 VAMIDOTHION**

Main Uses 8 INSECTICIDE

JMPR 73, 82T, 85, 87R, 88T, 90R, 92R

ADI 0.008 mg/kg body weight (1988)

RESIDUE Sum of vamidothion, its sulphoxide and sulphone, expressed as vamidothion.

Note The CAC-24 revoked the existing CXLs.

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
------	------	-------------	------	------	------	------

@@ 0000 No MRL

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Part 1 - 76

**79 AMITROLE**

Main Uses 7 HERBICIDE

JMPR 74, 77T, 93, 97T, 98R'

ADI 0.002 mg/kg body weight (1997)

RESIDUE Amitrole.

Note Previous TADI, 0.0005 mg/kg bw (1993).

Previous CXLs for raw agricultural commodities of plant origin were revoked by the 17th CAC.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FB	0269 Grapes	0.05	6	98	32	
FP	0009 Pome fruits	0.05 (*)	6	98	32	
FS	0012 Stone fruits	0.05 (*)	6	98	32	

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**81 CHLOROTHALONIL**

Main Uses 5 FUNGICIDE

JMPR 74,77,78R,79,81,83,85,87T,88R,90,92T,93R', 97R

ADI 0.03 mg/kg body weight (1990; confirmed 1992)

RESIDUE Chlorothalonil.

Note The CCPR-33 invited the banana producing countries to submit data on unbagged bananas (33.127).

Code	Commodit Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FI	0327 Banana	0.01 (*)	CXL		(2001)	Based on trials with bagged bananas. The CCPR-31 requested governments and interested parties to submit information on unbagged bananas for evaluation by JMPR (31.70). The CCPR-33 would consider this MRL together with a new proposal by USA at 0.05 mg/kg which is based on the limit of determination of 0.03 mg/kg (32.109)
GC	0640 Barley	0.1	CXL		(1995)	
AS	0640 Barley straw and fodder,	20	CXL		(1995)	
VD	0071 Beans (dry)	0.2	CXL		(1999)	
VB	0400 Broccoli	5	CXL			Confirmed (1997 JMPR)
VB	0402 Brussels sprouts	5	CXL			
VB	0041 Cabbages, Head	1	CXL		(1995)	
VR	0577 Carrot	1	CXL			
VB	0404 Cauliflower	1	CXL		(1995)	
VS	0624 Celery	10	CXL		(1997)	
HH	0624 Celery leaves	3	CXL		(1999)	
FS	0013 Cherries	0.5	CXL		(1995)	
VP	0526 Common bean (pods and/or immature seeds)	5	CXL			
FB	0265 Cranberry	5	CXL			
VC	0424 Cucumber	5	CXL			
FB	0021 Currants, Black, Red, White	5	CXL		(1999)	
FB	0269 Grapes	0.5	CXL		(1995)	
VC	0046 Melons, except watermelon	2	CXL		(1997)	
VA	0385 Onion, Bulb	0.5	CXL		(1995)	
HH	0740 Parsley	3	CXL		(1999)	
FS	0247 Peach	0.2	CXL		(1999)	
SO	0697 Peanut	0.05	CXL		(1995)	

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VO	0445	Peppers, Sweet	7		CXL	(1999)
VR	0589	Potato	0.2		CXL	(1997)
VC	0431	Squash, Summer	5		CXL	
VR	0596	Sugar beet	0.2		CXL	(1995)
AV	0596	Sugar beet leaves or tops	20		CXL	(1995)
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	CXL	(1999)
VO	0448	Tomato	5		CXL	
GC	0654	Wheat	0.1		CXL	(1995)
AS	0654	Wheat straw and fodder,	20		CXL	(1995)
VC	0433	Winter squash	5		CXL	

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**82 DICHLOFLUANID**

Main Uses 5 FUNGICIDE

JMPR 69, 74, 77, 79, 81R, 82R, 83, 85R

ADI 0.3 mg/kg body weight (1983)

RESIDUE Dichlofluanid

Note This compound will not be supported beyond 2000 but an alternative compound, tolylfluanid (162) will be. It was proposed that the existing CXLs be retained until the registration of dichlofluanid expires (29.58).

The CCPR-33 requested an overview on the registered uses of dichlofluanid. Based on the information the CCPR-34 would consider the revocation of CXLs from the commodities for which there are no registered uses (33.128).

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	5	CXL			
GC	0640 Barley	0.1	CXL			
FB	0264 Blackberries	10	CXL			
FS	0013 Cherries	2	CXL			
VP	0526 Common bean (pods and/or immature seeds)	2	CXL			
VC	0424 Cucumber	5	CXL			
FB	0021 Currants, Black, Red, White	15	CXL			
VO	0440 Egg plant	1	CXL			
FB	0268 Gooseberry	7	CXL			
FB	0269 Grapes	15	CXL			
VL	0482 Lettuce, Head	10	CXL			
GC	0647 Oats	0.1	CXL			
VA	0385 Onion, Bulb	0.1	CXL			
FS	0247 Peach	5	CXL			
FP	0230 Pear	5	CXL			
VO	0051 Peppers	2	CXL			
VR	0589 Potato	0.1	CXL			
FB	0272 Raspberries, Red, Black	15	CXL			
GC	0650 Rye	0.1	CXL			
FB	0275 Strawberry	10	CXL			
VO	0448 Tomato	2	CXL			
GC	0654 Wheat	0.1	CXL			
AS	0654 Wheat straw and fodder,	0.5	CXL			

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**83 DICLORAN**

Main Uses 5 FUNGICIDE  
 JMPR 74, 77, 98' (03R)  
 ADI 0.01 mg/kg body weight (1998)  
 RESIDUE Dicloran (fat-soluble).  
 Note Previous ADI 0.03 mg/kg (1977)

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VR	0577 Carrot	10 Po	CXL			
VR	0577 Carrot	15 Po	6(a)	98	32	
FB	0269 Grapes	10 Po	CXL	98	29, 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
VL	0482 Lettuce, Head	10	CXL	98	29, 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
VA	0385 Onion, Bulb	0.2	CXL		(2001)	
FS	0247 Peach	15 Po	CXL	98	29, 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
FS	0014 Plums (including prunes)	10 Po	CXL	98	29, 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
FB	0275 Strawberry	10	CXL	98	29, 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
VO	0448 Tomato	0.5	CXL	98	29, 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)



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**84 DODINE**

Main Uses 5 FUNGICIDE

JMPR 74, 76, 77R, 00T' (01R')

ADI 0.1 mg/kg body weight (2000)

AcuteRfD 0.2

RESIDUE Dodine.

Note Previous ADI, 0.01 mg/kg body weight

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	5				CXL
FS	0013 Cherries	2				CXL
FB	0269 Grapes	5				CXL
FS	0247 Peach	5				CXL
FP	0230 Pear	5				CXL
FB	0275 Strawberry	5				CXL

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Part 1 - 82

**85 FENAMIPOHOS**

Main Uses 8 INSECTICIDE

JMPR 74, 77R, 78R, 80R, 85T, 87T, 97T', 99R'

ADI 0.0008 mg/kg body weight (1997)

AcuteRfD 0.0008

RESIDUE Sum of fenamiphos and its sulphoxide and sulphone, expressed as fenamiphos.

Note Previous ADI, 0.0005 mg/kg bw (1987).

The CCPR-33 was informed that result of a new acute study in dogs would become available for evaluation by the end of 2001. It decided not to advance the draft MRLs beyond Step 7 until untake concerns were resolved. It invited delegations to express their views on possible solutions (33.131-134).

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	0.05 (*)	6	99	33	
FI 0327	Banana	0.1	CXL			
FI 0327	Banana	0.05 (*)	6(a)	99	33	The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children would be below the acute RfD.
VB 0402	Brussels sprouts	0.05 (*)	CXL			
VB 0402	Brussels sprouts	0.05	6(a)	99	33	
VB 0041	Cabbages, Head	0.05 (*)	CXL			
VB 0041	Cabbages, Head	0.05	6(a)	99	33	The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children/general population would be below the acute RfD.
VR 0577	Carrot	0.2	CXL			Confirmed (1999 JMPR). The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children/general population would be below the acute RfD.
SO 0691	Cotton seed	0.05 (*)	CXL			Confirmed (1999 JMPR).
OC 0691	Cotton seed oil, Crude	0.05 (*)	6	99	33	
MO 0105	Edible offal (mammalian)	0.01 (*)	6	99	33	
PE 0112	Eggs	0.01 (*)	6	99	33	
FB 0269	Grapes	0.1	CXL			Confirmed (1999 JMPR). The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children/general population would be below the acute RfD.
MM 0095	Meat (from mammals other than marine mammals)	0.01 (*)	6	99	33	

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VC	0046	Melons, except watermelon	0.05	(*)	CXL				Confirmed (1999 JMPR). The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children/general population would be below the acute RfD.
ML	0106	Milks	0.005	(*)	6	99	33		
SO	0697	Peanut	0.05	(*)	CXL				Confirmed (1999 JMPR).
OC	0697	Peanut oil, Crude	0.05	(*)	6	99	33		
VO	0051	Peppers	0.5		6	99	33		The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children/general population would be below the acute RfD.
FI	0353	Pineapple	0.05	(*)	CXL				Confirmed (1999 JMPR). The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children/general population would be below the acute RfD.
PM	0110	Poultry meat	0.01	(*)	6	99	33		
PO	0111	Poultry, Edible offal of	0.01	(*)	6	99	33		
VO	0448	Tomato	0.2		CXL				
VO	0448	Tomato	0.5		6(a)	99	33		The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children/general population would be below the acute RfD.
VC	0432	Watermelon	0.05	(*)	6	99	33		The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children/general population would be below the acute RfD.

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**86 PIRIMIPHOS-METHYL**

Main Uses 8 INSECTICIDE

JMPR 74, 76, 77R, 79R, 83R, 85R, 92T, 94R (02R')

ADI 0.03 mg/kg body weight (1992)

RESIDUE Pirimiphos-methyl (fat-soluble).

Commodity		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
FP	0226 Apple	2		CXL			
VB	0402 Brussels sprouts	2		CXL			
VB	0041 Cabbages, Head	2		CXL			
VR	0577 Carrot	1		CXL			
VB	0404 Cauliflower	2		CXL			
GC	0080 Cereal grains	10	Po	CXL			
FS	0013 Cherries	2		CXL			
FC	0001 Citrus fruits	2		CXL			
VP	0526 Common bean (pods and/or immature seeds)	0.5		CXL			
VC	0424 Cucumber	1		CXL			
FB	0278 Currant, Black	1		CXL			
DF	0295 Dates, Dried or dried & candied	0.5	Po	CXL			
MD	0180 Dried fish	8	Po	CXL			
PE	0112 Eggs	0.05	(*)	CXL			
FB	0268 Gooseberry	1		CXL			
FI	0341 Kiwifruit	2		CXL			
VL	0482 Lettuce, Head	5		CXL			
MM	0095 Meat (from mammals other than marine mammals)	0.05	(*)	CXL			
ML	0106 Milks	0.05	(*)	CXL			
VO	0450 Mushrooms	5		CXL			
FT	0305 Olives	5		CXL			
SO	0697 Peanut	2	Po	CXL			
OC	0697 Peanut oil, Crude	15	PoP	CXL			
OR	0697 Peanut oil, Edible	15	PoP	CXL		(1997)	
SO	0703 Peanut, Whole	25	Po	CXL			

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FP	0230	Pear	2			CXL
VP	0063	Peas (pods and succulent=immature seeds)	0.05	(*)		CXL
VO	0051	Peppers	1			CXL
FS	0014	Plums (including prunes)	2			CXL
VR	0589	Potato	0.05	(*)		CXL
FB	0272	Raspberries, Red, Black	1			CXL
CM	1206	Rice bran, Unprocessed	20		PoP	CXL
CM	0649	Rice, Husked	2		PoP	CXL
CM	1205	Rice, Polished	1		PoP	CXL
CF	1251	Rye wholemeal	5		PoP	CXL
VL	0502	Spinach	5			CXL
VA	0389	Spring onion	1			CXL
FB	0275	Strawberry	1			CXL
VO	0448	Tomato	1			CXL
CM	0654	Wheat bran, Unprocessed	20		PoP	CXL
CF	1211	Wheat flour	2		PoP	CXL
CF	1212	Wheat wholemeal	5		PoP	CXL
CP	1211	White bread	0.5		PoP	CXL
CP	1212	Wholemeal bread	1		PoP	CXL

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Part 1 - 86

**87 DINOCA**

Main Uses 5 FUNGICIDE

JMPR 69, 74, 89, 92R, 98, 99R, 00T, 01R

ADI 0.008 mg/kg body weight (1998)

RESIDUE Sum of dinocap isomers and dinocap phenols, expressed as dinocap.

Note Previous ADI 0.001 mg/kg bw (1989).

The CCPR-33 agreed to consider this compound at its 34th session, in particular the short-term intake estimates for grapes (based on wine grapes grown in Northern Europe as opposed to table grapes grown in Southern Europe) (33.136). The 2001 JMPR concluded that the short-term intake of dinocap from its use on grapes is unlikely to present a public health concern.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	0.2	6	98	32	
VC	0045 Fruiting vegetables, Cucurbits	0.05 (*)	6	98	32	
FB	0269 Grapes	0.5	6	98, 00	32	Changed from 1 mg/kg (2001 JMPR)
FS	0247 Peach	0.1	6	98	32	
VO	0051 Peppers	0.2	6	98	32	
FB	0275 Strawberry	0.5	6	98	32	No support for the use on glasshouse grown strawberry (32.114)
VO	0448 Tomato	0.3	6	99	32	

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**90 CHLORPYRIFOS-METHYL**

Main Uses 8 INSECTICIDE

JMPR 75, 76, 79R, 90R, 91', 92T, 93R, 94R, 01T

ADI 0.01 mg/kg body weight (1992)

RESIDUE Chlorpyrifos-methyl (fat-soluble).

Note The CCPR-32 requested the working group on priorities to include this compound in the Priority List for review by JMPR for establishment of an acute RfD (32.115).

The CCPR-33 decided to return all draft MRLs to Step 6, pending a full review by JMPR (33.137).

Commodit Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	0.5		CXL			
VS 0620	Artichoke globe	0.1		CXL			
GC 0640	Barley	10	Po	6	91, 94	25, 26, 28, 29, 30, 31, 32, 33	Confirmed (1994 JMPR). The CCPR-31 returned the MRL to Step 6 for reconsideration at the CCPR-32 (31.74).
VB 0041	Cabbages, Head	0.1		CXL			
MF 0812	Cattle fat	0.05		CXL			
MM 0812	Cattle meat	0.05		CXL			
MO 0812	Cattle, Edible offal of	0.05		CXL			
PF 0840	Chicken fat	0.05		CXL			
PM 0840	Chicken meat	0.05		CXL			
PO 0840	Chicken, Edible offal of	0.05		CXL			
VL 0467	Chinese cabbage (type pe-tsai)	0.1		CXL			
VP 0526	Common bean (pods and/or immature seeds)	0.1		CXL			
FT 0295	Date	0.05		CXL		(1995)	
VO 0440	Egg plant	0.1		CXL			
PE 0112	Eggs	0.05		CXL			
FB 0269	Grapes	0.2		CXL		(1995)	
VL 0482	Lettuce, Head	0.1		CXL			
ML 0106	Milks	0.01	(*)	CXL			
VO 0450	Mushrooms	0.01	(*)	CXL		(1995)	
GC 0647	Oats	10	Po	6	91, 94	26, 28, 29, 30, 31, 32, 33	Confirmed (1994 JMPR). The CCPR-31 returned the MRL to Step 6 for reconsideration at the CCPR-32 (31.74).
FC 0004	Oranges, Sweet, Sour	0.5		CXL		(1995)	
FS 0247	Peach	0.5		CXL			
VO 0051	Peppers	0.5		CXL		(1995)	

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VR	0494	Radish	0.1		CXL			
GC	0649	Rice	0.1		CXL			
GC	0649	Rice	10	Po	6(a)	94	28, 29, 30, 31, 32, 33	The CCPR-31 returned the MRL to Step 6 for reconsideration at the CCPR-32 (31.74).
GC	0651	Sorghum	10	Po	CXL		26	
DT	1114	Tea, Green, Black	0.1		CXL			
VO	0448	Tomato	0.5		CXL			
GC	0654	Wheat	10	Po	CXL		26	
CM	0654	Wheat bran, Unprocessed	20	PoP	CXL			
CF	1211	Wheat flour	2	Po	CXL			
CP	1211	White bread	0.5	PoP	CXL			
CP	1212	Wholemeal bread	2	PoP	CXL			



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**93 BIORESMETHRIN**

Main Uses 8 INSECTICIDE

JMPR 75R, 76, 91

ADI 0.03 mg/kg body weight (1991)

RESIDUE Bioresmethrin.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
GC	0654 Wheat	1	Po	CXL	(1995)	
CM	0654 Wheat bran, Unprocessed	5	PoP	CXL	(1995)	
CF	1211 Wheat flour	1	PoP	CXL	(1995)	
CF	1210 Wheat germ	3	PoP	CXL	(1995)	
CF	1212 Wheat wholemeal	1	PoP	CXL	(1995)	

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**94 METHOMYL**

Main Uses 8 INSECTICIDE

JMPR 75R, 76R, 77R, 78R, 86, 87R, 88R, 89, 90R, 91R, 01'

ADI 0.02 mg/kg body weight (2001)

AcuteRfD 0.02

RESIDUE Sum of methomyl and thiodicarb, expressed as methomyl.

MRLs related to methomyl and (154) thiodicarb are combined into a single list.

Note The CCPR had decided on combined list for thiodicarb and methomyl.

Previous ADI, 0.03 mg/kg bw (1989)

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
	[Cotton seed, hulls]	0.2	3	01		
	[Cotton seed, meal]	0.05	3	01		
	[Rape seed forage]	0.2	3	01		
	[Soya bean hulls]	1	3	01		
	[Soya bean meal]	0.2	3	01		
AL	1020 Alfalfa fodder	20	3	01		Resulting from consideration of methomyl supervised field trial data.
AL	1021 Alfalfa forage (green)	10	CXL		(1991)	
AL	1021 Alfalfa forage (green)	25	3(a)	01		Resulting from consideration of methomyl supervised field trial data.
FP	0226 Apple	2	3(a)	01		Resulting from consideration of thiodicarb supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR)
VS	0621 Asparagus	2	CXL		(1991)	Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR).
GC	0640 Barley	0.5	CXL		(1991)	
GC	0640 Barley	2	3(a)	01		Resulting from consideration of methomyl supervised field trial data.
AS	0640 Barley straw and fodder,	5	CXL	01	(1991)	Withdrawal recommended (2001 JMPR).
AL	0061 Bean fodder	10	3	01		Resulting from consideration of methomyl supervised field trial data.
VD	0071 Beans (dry)	0.1	CXL		(1991)	
VD	0071 Beans (dry)	0.05	3(a)	01		Resulting from consideration of methomyl supervised field trial data.
VP	0061 Beans, except broad bean and soya bean	1	3	01		Resulting from consideration of methomyl supervised field trial data.

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VB	0040	Brassica vegetables	7		3(a)	01			Resulting from consideration of methomyl+thiodicarb supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR)
VB	0041	Cabbages, Head	5		CXL		(1991)		To be replaced by MRL for Brassica vegetables (2001
VB	0404	Cauliflower	2		CXL		(1991)		To be replaced by MRL for Brassica vegetables (2001
VS	0624	Celery	2		CXL		(1991)		
VS	0624	Celery	3		3(a)	01			Resulting from consideration of methomyl supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR).
FC	0001	Citrus fruits	1		CXL		(1991)		Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR)
AB	0001	Citrus pulp, Dry	3		3	01			
VP	0526	Common bean (pods and/or immature seeds)	2		CXL		(1991)		
VP	0526	Common bean (pods and/or immature seeds)	1		3(a)	01			Resulting from consideration of methomyl supervised field trial data.
SO	0691	Cotton seed	0.5		CXL		(1991)		Based on thiodicarb use
SO	0691	Cotton seed	0.2		3(a)	01			Resulting from consideration of methomyl+thiodicarb supervised field trial data.
OR	0691	Cotton seed oil, Edible	0.04		3	01			
VC	0424	Cucumber	0.2		CXL		(1991)		To be replaced with MRL for cucurbits, fruiting vegetables (2001 JMPR)
MO	0105	Edible offal (mammalian)	0.02	(*)	3	01			Resulting from consideration of methomyl+thiodicarb supervised field trial data.
VO	0440	Egg plant	0.2		CXL	01	(1991)		Withdrawal recommended (2001 JMPR)
PE	0112	Eggs	0.02	(*)	3	01			Resulting from consideration of methomyl+thiodicarb supervised field trial data.
VC	0045	Fruiting vegetables, Cucurbits	0.1		3(a)	01			Resulting from consideration of methomyl supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake for watermelon would be below the acute RfD (2001 JMPR).
FB	0269	Grapes	5		CXL		(1991)		
FB	0269	Grapes	7		3(a)	01			Resulting from consideration of methomyl supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR)
DH	1100	Hops, Dry	10		CXL	01	(1991)		Withdrawal recommended (2001 JMPR)
VL	0480	Kale	5		CXL	01	(1991)		Withdrawal recommended (2001 JMPR)
VL	0053	Leafy vegetables	30		3(a)	01			Resulting from consideration of methomyl+thiodicarb supervised field trial data.

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VL	0482	Lettuce, Head	5		CXL		(1991)	To be replaced by MRL for leafy vegetables (2001 JMPR)
GC	0645	Maize	0.05	(*)	CXL			Based on thiodicarb use
GC	0645	Maize	0.02	(*)	3(a)	01		Resulting from consideration of methomyl supervised field trial data.
AS	0645	Maize fodder	50		CXL	01		Based on thiodicarb use Withdrawal recommended (2001 JMPR)
AF	0645	Maize forage	50		CXL			Based on thiodicarb use
AF	0645	Maize forage	50		3(a)	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
OR	0645	Maize oil, Edible	0.02	(*)	3	01		
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)	CXL		(1991)	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)	3(a)	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
VC	0046	Melons, except watermelon	0.2		CXL		(1991)	To be replaced by MRL for cucurbits, fruiting vegetables (2001 JMPR)
ML	0106	Milks	0.02	(*)	CXL		(1991)	
ML	0106	Milks	0.02	(*)	3(a)	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
AM	0738	Mint hay	2		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
FS	0245	Nectarine	5		CXL		(1991)	
FS	0245	Nectarine	0.2		3(a)	01		Resulting from consideration of methomyl supervised field trial data.
AS	0647	Oat straw and fodder, Dry	5		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
GC	0647	Oats	0.5		CXL		(1991)	
GC	0647	Oats	0.02	(*)	3(a)	01		Resulting from consideration of methomyl supervised field trial data.
VA	0385	Onion, Bulb	0.2		CXL		(1991)	Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR)
VA	0387	Onion, Welsh	0.5		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
AL	0528	Pea vines (green)	10		CXL		(1991)	
AL	0528	Pea vines (green)	40		3(a)	01		Resulting from consideration of methomyl supervised field trial data.
FS	0247	Peach	5		CXL		(1991)	
FS	0247	Peach	0.2		3(a)	01		Resulting from consideration of methomyl supervised field trial data.
SO	0697	Peanut	0.1		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
AL	1270	Peanut forage (green)	5		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
FP	0230	Pear	0.3		3(a)	01		Resulting from consideration of methomyl supervised field trial data.

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VP	0063	Peas (pods and succulent=immature seeds)	5		CXL		(1991)	Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR)
VP	0064	Peas, Shelled (succulent seeds)	0.5		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
VO	0051	Peppers	1		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
FI	0353	Pineapple	0.2		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
FS	0014	Plums (including prunes)	1		3	01		Resulting from consideration of methomyl supervised field trial data.
FP	0009	Pome fruits	2		CXL		(1991)	
VR	0589	Potato	0.1		CXL		(1991)	
VR	0589	Potato	0.02	(*)	3(a)	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
PM	0110	Poultry meat	0.02	(*)	3	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
PO	0111	Poultry, Edible offal of	0.02	(*)	3	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
SO	0495	Rape seed	0.05		3	01		Resulting from consideration of thiodicarb supervised field trial data.
GC	0651	Sorghum	0.2		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
AF	0651	Sorghum forage (green)	1		CXL		(1991)	Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR)
VD	0541	Soya bean (dry)	0.2		CXL			Based on thiodicarb use Resulting from consideration of thiodicarb supervised field trial data. Confirmed (2001)
VP	0541	Soya bean (immature seeds)	0.1		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
AL	0541	Soya bean fodder	0.2		3	01		Resulting from consideration of methomyl supervised field trial data.
AL	1265	Soya bean forage (green)	10		CXL		(1991)	
AL	1265	Soya bean forage (green)	40		3(a)	01		Resulting from consideration of methomyl supervised field trial data.
OC	0541	Soya bean oil, Crude	0.2		3	01		
OR	0541	Soya bean oil, Refined	0.2		3	01		
VL	0502	Spinach	5		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
VC	0431	Squash, Summer	0.2		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
AS	0161	Straw, fodder (dry) and hay of cereal grains and other grass-like plants	10		3	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
VR	0596	Sugar beet	0.1		CXL	01	(1991)	Withdrawal recommended (2001 JMPR)

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VO	0447	Sweet corn (corn-on-the-cob)	2	CXL		(1991)	Based on thiodicarb use Resulting from consideration of thiodicarb supervised field trial data. Confirmed (2001 JMPR). The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR)
VO	0448	Tomato	1	CXL		(1991)	Based on thiodicarb use Resulting from consideration of thiodicarb supervised field trial data. Confirmed (2001 JMPR). The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD. (2001 JMPR)
VC	0432	Watermelon	0.2	CXL		(1991)	To be replaced by MRL for cucurbits, fruiting vegetables (2001 JMPR)
GC	0654	Wheat	0.5	CXL		(1991)	
GC	0654	Wheat	2	3(a)	01		Resulting from consideration of methomyl supervised field trial data.
CM	0654	Wheat bran, Unprocessed	3	3	01		
CF	1211	Wheat flour	0.03	3	01		
CF	1210	Wheat germ	2	3	01		
AS	0654	Wheat straw and fodder,	5	CXL		(1991)	

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Part 1 - 95

**95 ACEPHATE**

Main Uses 8 INSECTICIDE

JMPR 76, 79R, 81R, 82T, 84, 87T, 88T, 90, 91, 94R, 96R (02')

ADI 0.03 mg/kg body weight (1988; confirmed 1990)

RESIDUE Acephate (The metabolite O,S-dimethyl phosphoramidothioate is (100) methamidophos, which has separate MRLs).

Note An acute RfD would be established by the 2000 JMPR (30.54).

Commodit						
Code	Name	MRL (mg/kg)		Step	JMPR	CCPR
AL	1021 Alfalfa forage (green)	10	fresh wt	CXL		
VB	0400 Broccoli	2		CXL		(1999)
VB	0041 Cabbages, Head	2		CXL		(1999)
MF	0812 Cattle fat	0.1		CXL		
MM	0812 Cattle meat	0.1		CXL		
VB	0404 Cauliflower	2		CXL		(1999)
SO	0691 Cotton seed	2		CXL		
PE	0112 Eggs	0.1		CXL		
VL	0482 Lettuce, Head	5		CXL		
ML	0106 Milks	0.1		CXL		
MF	0818 Pig fat	0.1		CXL		
MM	0818 Pig meat	0.1		CXL		
VR	0589 Potato	0.5		CXL		
PF	0111 Poultry fats	0.1		CXL		
PM	0110 Poultry meat	0.1		CXL		
VD	0541 Soya bean (dry)	0.5		CXL		
VR	0596 Sugar beet	0.1		CXL		
AV	0596 Sugar beet leaves or tops	10		CXL		
VO	0448 Tomato	1		CXL		(1999)
FT	0312 Tree tomato	0.5		CXL		

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Part 1 - 96

**96 CARBOFURAN**

Main Uses 8 INSECTICIDE

JMPR 76, 79, 80T, 82T, 91R, 93R, 96T', 97R' (02)

ADI 0.002 mg/kg body weight (1996)

RESIDUE Sum of carbofuran and 3-hydroxycarbofuran expressed as carbofuran.

Note The Committee noted that an acute RfD would be established by the 2000 JMPR (31.78)

The 1999 JMPR concluded that a group MRL for citrus fruits could not be recommended since there was no registered use of carbofuran on citrus fruits and there were registered uses for carbosulfan solely on oranges and mandarins.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	10	CXL		(1999)	
AL 1021	Alfalfa forage (green)	10	CXL		(2001)	
FI 0327	Banana	0.1 (*)	CXL			Confirmed (1997 JMPR).
VC 4199	Cantaloupe	0.2	6	97	31, 32, 33	Returned to Step 6 due to intake concerns (32.116)
VR 0577	Carrot	0.5	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
MF 0812	Cattle fat	0.05 (*)	CXL			Confirmed (1997 JMPR).
AB 0001	Citrus pulp, Dry	2	CXL		(2001)	Based on the use of carbosulfan.
SB 0716	Coffee beans	1	CXL		(1999)	
VC 0424	Cucumber	0.3	6	97	31, 32, 33	Returned to Step 6 due to intake concerns (32.116)
MO 0096	Edible offal of cattle, goats, horses, pigs & sheep	0.05 (*)	CXL			Confirmed (1997 JMPR).
VO 0440	Egg plant	0.1 (*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
MF 0814	Goat fat	0.05 (*)	CXL			Confirmed (1997 JMPR).
MF 0816	Horse fat	0.05 (*)	CXL			Confirmed (1997 JMPR).
GC 0645	Maize	0.1 (*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
AS 0645	Maize fodder	5 fresh wt	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
FC 0206	Mandarin	0.5	6	99	33	Based on the use of carbosulfan.
MM 0096	Meat of cattle, goats, horses, pigs & sheep	0.05 (*)	CXL			Confirmed (1997 JMPR).
ML 0106	Milks	0.05 (*)	CXL			Confirmed (1997 JMPR).
GC 0647	Oats	0.1 (*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)



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SO	0088	Oilseed	0.1	(*)	CXL	97	31	Except sunflower seed Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
VA	0385	Onion, Bulb	0.1	(*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
FC	0004	Oranges, Sweet, Sour	0.5		6	97	31, 32, 33	Based on the use of carbosulfan. Returned to Step 6 due to intake concerns (32.116)
MF	0818	Pig fat	0.05	(*)	CXL			Confirmed (1997 JMPR).
VR	0589	Potato	0.1	(*)	CXL		(1999)	
CM	0649	Rice, Husked	0.2		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
MF	0822	Sheep fat	0.05	(*)	CXL			Confirmed (1997 JMPR).
GC	0651	Sorghum	0.1	(*)	CXL			Confirmed (1997 & 1999 JMPR).
AF	0651	Sorghum forage (green)	2		CXL		(2001)	
AS	0651	Sorghum straw and fodder, Dry	0.5		CXL		(2001)	
VD	0541	Soya bean (dry)	0.2		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
VC	0431	Squash, Summer	0.3		6	97	31, 32, 33	Returned to Step 6 due to intake concerns (32.116)
VR	0596	Sugar beet	0.1	(*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
AV	0596	Sugar beet leaves or tops	0.2		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
GS	0659	Sugar cane	0.1	(*)	CXL			Confirmed (1997 JMPR).
SO	0702	Sunflower seed	0.1	(*)	CXL		(1999)	
VO	0447	Sweet corn (corn-on-the-cob)	0.1		6	97	31, 32, 33	Confirmed (1999 JMPR). Returned to Step 6 due to intake concerns (32.116)
VO	1275	Sweet corn (kernels)	0.1	(*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
VO	0448	Tomato	0.1	(*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
GC	0654	Wheat	0.1	(*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)

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Part 1 - 98

**100 METHAMIDOPHOS**

Main Uses 8 INSECTICIDE

JMPR 76, 79R, 81R, 82, 84R, 85T, 89R, 90, 94R, 96R, 97R (02')

ADI 0.004 mg/kg body weight (1990)

RESIDUE Methamidophos.

Methamidophos is a metabolite of (95) acephate for which separate MRLs are recommended.

Note Establishment of an acute RfD by the 2000 JMPR was requested . The 30th CCPR noted that data on tomato were available and would be submitted. The new data might support a lower limit. (30.55). The CCPR-32 requested detailed information on support for methamidophos/acephate. The CCPR-33 should consider deletion of the MRLs for commodities not supported by the USA and EC (information to be provided before the CCPR-33)(32.117)

The CCPR-33 was informed that the MRLs for cucumber, cauliflower, cabbages, head, cotton seed, peach, peppers (chili and sweet), pome fruits, potato, soya bean (dry), sugar beet, sugar beet leaves or tops, tomato would be supported but those for Brussels sprouts, celery, hops (dry), lettuce, head, rapeseed, tree tomato, watermelon were no longer supported. CXLs for cattle fat and meat, sheep fat and meat, goat fat and meat, milks, alfalfa forage (green), lettuce, head, and tree tomato were retained for animal feed use and/or links to acephate uses. (33.140-141).

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL 1021	Alfalfa forage (green)	2	CXL			
VB 0041	Cabbages, Head	0.5	CXL		(1999)	Based on treatment with acephate.
MF 0812	Cattle fat	0.01 (*)	CXL			Based on treatment with methamidophos or acephate.
MM 0812	Cattle meat	0.01 (*)	CXL			
VB 0404	Cauliflower	0.5	CXL		(1999)	Based on treatment with methamidophos or acephate.
SO 0691	Cotton seed	0.1	CXL		(1997)	Including residues resulting from the use of acephate.
VC 0424	Cucumber	1	CXL		(1991)	
MF 0814	Goat fat	0.01 (*)	CXL			
MM 0814	Goat meat	0.01 (*)	CXL			
VL 0482	Lettuce, Head	1	CXL		(1991)	
ML 0106	Milks	0.01 (*)	CXL			
FS 0247	Peach	1	6	96	30, 32, 33	Based on the residues from the use of methamidophos. Returned to Step 6 due to intake concerns (32.118)
VO 0444	Peppers, Chili	2	CXL		(1993)	
VO 0445	Peppers, Sweet	1	CXL		(1993)	
FP 0009	Pome fruits	0.5	6	94, 97	28, 29, 30, 31, 32, 33	Confirmed (1997 JMPR). Returned to Step 6 due to intake concerns (32.118)
VR 0589	Potato	0.05	CXL		(1997)	Including residues resulting from the use of acephate.
MF 0822	Sheep fat	0.01 (*)	CXL			
MM 0822	Sheep meat	0.01 (*)	CXL			
VD 0541	Soya bean (dry)	0.05	CXL		(1991)	Based on treatment with acephate.
VR 0596	Sugar beet	0.05	CXL		(1991)	

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AV	0596	Sugar beet leaves or tops	1		CXL		(1991)	
VO	0448	Tomato	1		6	96	30, 32, 33	Based on residues from the use of methamidophos or acephate. Returned to Step 6 due to intake concerns
FT	0312	Tree tomato	0.01	(*)	CXL			Based on treatment with acephate.

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Part 1 - 100

**101 PIRIMICARB**

Main Uses 2 APHICIDE

JMPR 76, 78, 79R, 81, 82T, 85R

ADI 0.02 mg/kg body weight (1982)

RESIDUE Sum of pirimicarb, demethyl-pirimicarb and N-formyl-(methylamino) analogue (dimethyl-formamido-pirimicarb).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
AL	1020 Alfalfa fodder	20				
AL	1021 Alfalfa forage (green)	50				
GC	0640 Barley	0.05	(*)			
VP	0062 Beans, Shelled	0.1				
VR	0574 Beetroot	0.05	(*)			
VB	0400 Broccoli	1				
VB	0402 Brussels sprouts	1				
VB	0041 Cabbages, Head	1				
VB	0404 Cauliflower	1				
VS	0624 Celery	1				
FC	0001 Citrus fruits	0.05	(*)			Except oranges.
VP	0526 Common bean (pods and/or immature seeds)	1				
SO	0691 Cotton seed	0.05	(*)			
VC	0424 Cucumber	1				
FB	0278 Currant, Black	0.5				
VO	0440 Egg plant	1				
PE	0112 Eggs	0.05	(*)			
VL	0476 Endive	1				
VC	0425 Gherkin	1				
VB	0405 Kohlrabi	0.5				
VA	0384 Leek	0.5				
VL	0482 Lettuce, Head	1				
MM	0095 Meat (from mammals other than marine mammals)	0.05	(*)			
ML	0106 Milks	0.05	(*)			
GC	0647 Oats	0.05	(*)			
VA	0385 Onion, Bulb	0.5				

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FC	0004	Oranges, Sweet, Sour	0.5		CXL
HH	0740	Parsley	1		CXL
VR	0588	Parsnip	0.05	(*)	CXL
FS	0247	Peach	0.5		CXL
VP	0063	Peas (pods and succulent=immature seeds)	0.2		CXL
TN	0672	Pecan	0.05	(*)	CXL
VO	0444	Peppers, Chili	2		CXL
VO	0445	Peppers, Sweet	1		CXL
FS	0014	Plums (including prunes)	0.5		CXL
FP	0009	Pome fruits	1		CXL
VR	0589	Potato	0.05	(*)	CXL
VR	0494	Radish	0.05	(*)	CXL
SO	0495	Rape seed	0.2		CXL
FB	0272	Raspberries, Red, Black	0.5		CXL
VL	0502	Spinach	1		CXL
FB	0275	Strawberry	0.5		CXL
VR	0596	Sugar beet	0.05	(*)	CXL
VO	0447	Sweet corn (corn-on-the-cob)	0.05	(*)	CXL
VO	0448	Tomato	1		CXL
VR	0506	Turnip, Garden	0.05	(*)	CXL
VL	0473	Watercress	1		CXL
GC	0654	Wheat	0.05	(*)	CXL

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Part 1 - 102

**102 MALEIC HYDRAZIDE**

Main Uses 16 PLANT GROWTH REGULATOR

JMPR 76, 77, 80T, 84, 96T, 98R'

ADI 0.3 mg/kg body weight (1996)

RESIDUE Maleic hydrazide.

Note The 1998 JMPR changed the residue definition.

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VA 0381	Garlic	15	CXL		(2001)	
VA 0385	Onion, Bulb	15	CXL			Confirmed (1998 JMPR).
VR 0589	Potato	50	CXL			Confirmed (1998 JMPR).
VA 0388	Shallot	15	CXL		(2001)	

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Part 1 - 103

**103 PHOSMET**

Main Uses 8 INSECTICIDE  
 JMPR 76R, 78, 79, 81R, 84R, 85R, 86R, 88R, 94T', 97R', 98T (02R)  
 ADI 0.01 mg/kg body weight (1994; confirmed 1998)  
 AcuteRfD 0.02  
 RESIDUE Phosmet.

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	10	CXL	97	31	Confirmed (1997 JMPR).
FS 0240	Apricot	5	CXL			
FS 0240	Apricot	10	6(a)	97	31, 32, 33	Pending review by the 2002 JMPR.
FB 0020	Blueberries	10	CXL	97	31, 32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (32.119)
FC 0001	Citrus fruits	5	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (32.119)
SO 0691	Cotton seed	0.05	CXL		(2001)	
FB 0269	Grapes	10	CXL			Confirmed (1997 JMPR).
FS 0245	Nectarine	5	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (31.119)
FS 0247	Peach	10	CXL		31	Confirmed (1997 JMPR).
FP 0230	Pear	10	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (32.119)
VR 0589	Potato	0.05	CXL		(2001)	
TN 0085	Tree nuts	0.1 (*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (32.119)

**105 DITHIOCARBAMATES**

Main Uses 5 FUNGICIDE

JMPR 65T, 67, 70, 74, 77, 83R, 84R, 85R, 87T, 88R, 90R, 92T, 93', 95R, 96' (02R)

ADI (1)

RESIDUE Total dithiocarbamates, determined as CS<sub>2</sub>, evolved during acid digestion and expressed as mg CS<sub>2</sub>/kg.

The MRLs apply to total residues from the use of any or each of the groups of dithiocarbamates.

(1) Group ADI: ferbam & ziram, 0.003 mg/kg bw (1996); thiram, 0.01 mg/kg bw (1992); mancozeb, maneb, metiram & zineb, 0.03 mg/kg bw (alone or in any combination)(1993); propineb, 0.007 mg/kg bw (1993)

Note Based on trials with; n, maneb; m, metiram; c, mancozeb; p, propineb; h, thiram, z, ziram. Compounds marked in upper case are those on which estimates of MRLs are mainly based. ((a) Dimethyldithiocarbamates resulting from the use of ferbam or ziram. (b) Ethylenebis(dithiocarbamate)s resulting from the use of mancozeb, maneb or zineb (including zineb derived from nabam plus zinc sulphate)).

The 1995 JMPR changed the expression of residue definition.

Propineb: scheduled for Periodic Review (residues) by the 2003 JMPR.

The draft MRLs were returned to Step 6 pending evaluation of ferbam, thiram and ziram by the 1996 JMPR (28.60).

The 29th CCPR requested the JMPR to examine whether it was appropriate to use the toxicological correction factors for all dithiocarbamates for the purpose of exposure assessment, since some of them are ETU (or PTU) formers and others are not (29.62).

The 30th CCPR noted that additional residue trials data on banana, barley, barley straw and fodder, cabbages, head, lettuce, maize fodder, papaya and pepper would be made available to the 1999 JMPR and suggested that data on melons and cucumber could be used to support pumpkins (30.62).

The Committee was informed that EBDC (mancozeb/maneb) trial data on apple, asparagus, banana, barley, beans, broccoli, head cabbages, cauliflower, celery, cucumber, dry beans, grapes, hops (dry), leek, head lettuce, maize, maize fodder, rapeseed oil, rye, sweet peppers, summer squash, sugar beet, sweet corn (corn-on-the-cob), tomato and wheat would be submitted to the JMPR for evaluation in 2002 (31.83).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AM	0660 Almond hulls	20		N,z	CXL	(1999)	Source of data: maneb, ziram
TN	0660 Almonds	0.1	(*)	N, Z	CXL	(1999)	Source of data: maneb, ziram
VS	0621 Asparagus	0.1		c	CXL	(1999)	Source of data: mancozeb
FI	0327 Banana	2		c	CXL	(1999)	Source of data: mancozeb
GC	0640 Barley	1		c	CXL	(1999)	Source of data: mancozeb
AS	0640 Barley straw and fodder,	25		C, n	CXL	(1999)	Source of data: mancozeb, maneb
VB	0041 Cabbages, Head	5		c, N	CXL	(1999)	Source of data: maneb, mancozeb
VR	0577 Carrot	1		c	CXL	(1999)	Source of data: mancozeb
VL	0510 Cos lettuce	10		n	CXL	(1999)	Source of data: maneb
FB	0265 Cranberry	5		c	CXL	(1999)	Source of data: mancozeb
VC	0424 Cucumber	2		c, N	CXL	(1999)	Source of data: maneb, mancozeb
FB	0021 Currants, Black, Red, White	10		C, m	CXL	(1999)	Source of data: mancozeb, metiram
MO	0105 Edible offal (mammalian)	0.1		C, m	CXL	(1999)	Source of data: mancozeb, metiram
PE	0112 Eggs	0.05	(*)	c	CXL	(1999)	Source of data: mancozeb
VA	0381 Garlic	0.5		c	CXL	(1999)	Source of data: mancozeb



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FB	0269	Grapes	5			C, m, n, p	CXL			Source of data: mancozeb, metiram, maneb, propineb Confirmed (1993 JMPR)
DH	1100	Hops, Dry	30			m	CXL	(1999)		Source of data: metiram
VL	0480	Kale	15			c, N	CXL	(1999)		Source of data: maneb, mancozeb
VA	0384	Leek	0.5			c	CXL	(1999)		Source of data: mancozeb
VL	0482	Lettuce, Head	10			C, N, m	CXL	(1999)		Source of data: mancozeb, maneb, metiram
AS	0645	Maize fodder	2			c	CXL	(1999)		Source of data: mancozeb
FC	0003	Mandarins	10			c	CXL	(1999)		Source of data: mancozeb
FI	0345	Mango	2			c	CXL	(1999)		Source of data: mancozeb
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)		c, m	CXL	(1999)		Source of data: mancozeb, metiram
VC	0046	Melons, except watermelon	0.5			C, p	CXL	(1999)		Source of data: mancozeb, propineb
ML	0106	Milks	0.05	(*)		c, m	CXL	(1999)		Source of data: mancozeb, metiram
VA	0385	Onion, Bulb	0.5			C, p	CXL	(1999)		Source of data: mancozeb, propineb
FC	0004	Oranges, Sweet, Sour	2			c	CXL	(1999)		Source of data: mancozeb
FI	0350	Papaya	5			c	CXL	(1999)		Source of data: mancozeb
SO	0697	Peanut	0.1	(*)		c	CXL	(1999)		Source of data: mancozeb
AL	0697	Peanut fodder	5			c	CXL	(1999)		Source of data: mancozeb
TN	0672	Pecan	0.1	(*)	T	Z	CXL	(2001)		Source of data: ziram
VO	0445	Peppers, Sweet	1			c, n	CXL	(1999)		Source of data: mancozeb, maneb
FP	0009	Pome fruits	5			C, M, p, H, Z	CXL	(1999)		Source of data: mancozeb, metiram, thiram, ziram, propineb
VR	0589	Potato	0.2			c, m, n, p	CXL	(1999)		Source of data: mancozeb, maneb, metiram
PM	0110	Poultry meat	0.1			c	CXL	(1999)		Source of data: mancozeb
PO	0111	Poultry, Edible offal of	0.1			c	CXL	(1999)		Source of data: mancozeb
VC	0429	Pumpkins	0.2			c	CXL	(1999)		Source of data: mancozeb
VA	0389	Spring onion	10			n	CXL	(1999)		Source of data: maneb
VC	0431	Squash, Summer	1			c	CXL	(1999)		Source of data: mancozeb
FS	0012	Stone fruits	7		T	h, Z	CXL	(2001)		Source of data: thiram, ziram
FB	0275	Strawberry	5			H	CXL	(2001)		Source of data: thiram
VR	0596	Sugar beet	0.5			C, n	CXL	(1999)		Source of data: mancozeb, maneb
AV	0596	Sugar beet leaves or tops	20			C, n	CXL	(1999)		Source of data: mancozeb, maneb
VO	0447	Sweet corn (corn-on-the-cob)	0.1	(*)		c	CXL	(1999)		Source of data: mancozeb
VO	0448	Tomato	5			C, m, n, p	CXL	(1999)		Source of data: mancozeb, metiram, maneb, propineb
VC	0432	Watermelon	1			c, N	CXL	(1999)		Source of data: maneb, mancozeb

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GC	0654	Wheat	1
AS	0654	Wheat straw and fodder,	25
VC	0433	Winter squash	0.1

C, n, m	CXL	(1999)
C, n, m	CXL	(1999)
c	CXL	(1999)

Source of data: mancozeb, maneb, metiram  
Source of data: mancozeb, maneb, metiram  
Source of data: mancozeb

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**106 ETHEPHON**

Main Uses 16 PLANT GROWTH REGULATOR

JMPR 77, 78, 83R, 85R, 93T, 94R', 95T, 97T, 99R (02T)

ADI 0.05 mg/kg body weight (1993; confirmed 1995, 1997)

RESIDUE Ethephon.

Note Before the establishment of an ADI in 1993, the CCPR was considering guideline levels.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	5	CXL		(1997)	
GC	0640 Barley	1	CXL		(1997)	
AS	0640 Barley straw and fodder,	5	CXL		(1997)	
FB	0020 Blueberries	20	CXL		(1997)	
VC	4199 Cantaloupe	1	CXL		(2001)	
FS	0013 Cherries	10	CXL		(1997)	
PE	0840 Chicken eggs	0.2 (*)	CXL		(1997)	
SO	0691 Cotton seed	2	CXL		(1997)	
DF	0269 Dried grapes (=currants, raisins and sultanas)	5	6	99	33	
MO	0096 Edible offal of cattle, goats, horses, pigs & sheep	0.2 (*)	CXL		(1997)	
DF	0297 Figs, Dried or dried and candied	10	CXL		(1997)	
FB	0269 Grapes	1	CXL		(2001)	
TN	0666 Hazelnuts	0.2	CXL		(1997)	
MM	0096 Meat of cattle, goats, horses, pigs & sheep	0.1 (*)	CXL		(1997)	
ML	0107 Milk of cattle, goats &	0.05 (*)	CXL		(1997)	
VO	0051 Peppers	5	CXL		(2001)	
FI	0353 Pineapple	2	CXL		(2001)	
PM	0110 Poultry meat	0.1 (*)	CXL		(1997)	
PO	0111 Poultry, Edible offal of	0.2 (*)	CXL		(1997)	
GC	0650 Rye	1	CXL		(1997)	
AS	0650 Rye straw and fodder, Dry	5	CXL		(1997)	
VO	0448 Tomato	2	CXL		(2001)	
TN	0678 Walnuts	0.5	CXL		(1997)	
GC	0654 Wheat	1	CXL		(1997)	

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AS 0654 Wheat straw and fodder, 5

CXL (1997)

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**109 FENBUTATIN OXIDE**

Main Uses 1 ACARICIDE

JMPR 77, 79R, 92T, 93R'

ADI 0.03 mg/kg body weight (1977 ;confirmed 1992)

RESIDUE Fenbutatin oxide.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
TN	0660 Almonds	0.5	CXL		(1995)	
AB	0226 Apple pomace, Dry	40	CXL		(1995)	
FI	0327 Banana	10	CXL		(1997)	
FS	0013 Cherries	10	CXL		(1997)	
PM	0840 Chicken meat	0.05 (*)	CXL		(1995)	
PO	0840 Chicken, Edible offal of	0.05 (*)	CXL		(1995)	
FC	0001 Citrus fruits	5	CXL			
AB	0001 Citrus pulp, Dry	25	CXL		(1995)	
VC	0424 Cucumber	0.5	CXL		(1995)	
MO	0105 Edible offal (mammalian)	0.2	CXL		(1997)	
PE	0112 Eggs	0.05	CXL		(1995)	
AB	0269 Grape pomace, Dry	100	CXL		(1995)	
FB	0269 Grapes	5	CXL			Confirmed (1993 JMPR).
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	CXL		(1995)	
ML	0106 Milks	0.05 (*)	CXL		(1995)	
FS	0247 Peach	7	CXL			Confirmed (1993 JMPR).
TN	0672 Pecan	0.5	CXL		(1995)	
FS	0014 Plums (including prunes)	3	CXL			Confirmed (1993 JMPR).
FP	0009 Pome fruits	5	CXL		(1995)	
DF	0014 Prunes	10	CXL		(1997)	
DF	5263 Raisins	20	CXL		(1997)	
FB	0275 Strawberry	10	CXL		(1995)	
VO	0448 Tomato	1	CXL			Confirmed (1993 JMPR).
TN	0678 Walnuts	0.5	CXL		(1997)	

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110 IMAZALIL

Main Uses 5 FUNGICIDE

JMPR 77, 80, 84, 85, 86T, 88R, 89R, 91T, 94R, 00T', 01T

ADI 0.03 mg/kg body weight (1991; confirmed 2000, 2001)

RESIDUE Imazalil.

Commodit		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
FI	0327 Banana	2	Po	CXL			
FC	0001 Citrus fruits	5	Po	CXL			
VC	0424 Cucumber	0.5		CXL			
VC	0425 Gherkin	0.5		CXL			
VC	0046 Melons, except watermelon	2	Po	CXL		(1997)	
FT	0307 Persimmon, Japanese	2	Po	CXL			
FP	0009 Pome fruits	5	Po	CXL			
VR	0589 Potato	5	Po	CXL		(1991)	
FB	0272 Raspberries, Red, Black	2		CXL			
FB	0275 Strawberry	2		CXL			
GC	0654 Wheat	0.01	(*)	CXL			
AS	0654 Wheat straw and fodder,	0.1		CXL			

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**111 IPRODIONE**

Main Uses 5 FUNGICIDE

JMPR 77, 80R, 92T, 94R', 95T, 01R

ADI 0.06 mg/kg body weight (1995)

RESIDUE Iprodione.

Note Acute RfD may be necessary but has not been established (2001 JMPR).

Commodit							
Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
TN	0660 Almonds	0.2		CXL		(1997)	
GC	0640 Barley	2		CXL		(1997)	
VD	0071 Beans (dry)	0.1		CXL		(1997)	
FB	0264 Blackberries	30		CXL		(1997)	
VB	0400 Broccoli	25		CXL		(1997)	
VR	0577 Carrot	10	Po	CXL		(1997)	
FS	0013 Cherries	10		CXL		(1997)	
VP	0526 Common bean (pods and/or immature seeds)	2		CXL		(1997)	
VC	0424 Cucumber	2		CXL		(1997)	
FB	0269 Grapes	10		CXL		(1997)	Confirmed (1994 JMPR).
FI	0341 Kiwifruit	5		CXL		(1997)	Confirmed (1994 JMPR).
VL	0482 Lettuce, Head	10		CXL		(1997)	Confirmed (1994 JMPR).
VL	0483 Lettuce, Leaf	25		CXL		(1997)	
VA	0385 Onion, Bulb	0.2		CXL		(1997)	
FS	0247 Peach	10		CXL		(1997)	
FP	0009 Pome fruits	5	Po	CXL		(1997)	
SO	0495 Rape seed	0.5		CXL		(1997)	
FB	0272 Raspberries, Red, Black	30		CXL		(1997)	
CM	0649 Rice, Husked	10		CXL		(1997)	
FB	0275 Strawberry	10		CXL		(1997)	Confirmed (1994 JMPR).
VR	0596 Sugar beet	0.1	(*)	CXL		(1997)	
SO	0702 Sunflower seed	0.5		CXL		(1997)	

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VO	0448	Tomato	5	CXL	94, 01	28, 29, 30, 31	Withdrawal recommended (1994 JMPR). Retained for 4 years under the Periodic Review Procedure (28.65). Retained beyond the 4-year period as new indoor trials were being conducted and would be available for review by 2000 subject to scheduling for JMPR evaluation (31.86) The CCPR-32 agreed to retain the MRL further in view of residue evaluation by the 2001 JMPR (32.122). Confirmed (2001
VS	0469	Witloof chicory (sprouts)	1	CXL			Confirmed (1994 JMPR).



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**112 PHORATE**

Main Uses 8 INSECTICIDE

JMPR 77, 82T, 83T, 84R, 85T, 90R, 91R, 92R, 93R, 94T, 96T (03T')(04R')

ADI 0.0005 mg/kg body weight (1994; confirmed 1996)

RESIDUE Sum of phorate, its oxygen analogue, and their sulphoxides and sulphones, expressed as phorate.

Note The CCPR-30 requested priority scheduling of a full review of the compound because of acute intake concern (30.66-67). Support for Periodic Review noted (32.123)

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
VP	0526 Common bean (pods and/or immature seeds)	0.1	CXL			
SO	0691 Cotton seed	0.05	CXL			
PE	0112 Eggs	0.05 (*)	CXL			
AM	1051 Fodder beet	0.05	CXL			
GC	0645 Maize	0.05 (*)	CXL		(1995)	
AS	0645 Maize fodder	0.2	CXL		(1991)	fresh wt
AF	0645 Maize forage	0.2	CXL		(1993)	fresh wt
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	CXL			
ML	0106 Milks	0.05 (*)	CXL		(1991)	
SO	0697 Peanut	0.1	CXL		(1993)	
OC	0697 Peanut oil, Crude	0.05 (*)	CXL		(1993)	
OR	0697 Peanut oil, Edible	0.05 (*)	CXL		(1993)	
VR	0589 Potato	0.2	CXL		(1999)	
GC	0651 Sorghum	0.05	CXL			
VD	0541 Soya bean (dry)	0.05	CXL			
VR	0596 Sugar beet	0.05	CXL		(1991)	
AV	0596 Sugar beet leaves or tops	1	CXL		(1991)	
VO	0447 Sweet corn (corn-on-the-cob)	0.05	CXL		(1995)	
GC	0654 Wheat	0.05	CXL			

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**113 PROPARGITE**

Main Uses 1 ACARICIDE

JMPR 77, 78R, 79R, 80, 82, 99T' (01R')

ADI 0.01 mg/kg body weight (1999)

RESIDUE Propargite (fat-soluble).

Note Previous ADI, 0.15 mg/kg bw (1982)

The information provided to the 1999 JMPR precludes an estimate that the dietary intake would be below the ADI. TMDI: 30-210% of the ADI.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
AL	1020 Alfalfa fodder	75	CXL			
AL	1021 Alfalfa forage (green)	50	CXL			
TN	0660 Almonds	0.1 (*)	CXL			
FP	0226 Apple	5	CXL			
AB	0226 Apple pomace, Dry	80	CXL			
FS	0240 Apricot	7	CXL			
VD	0071 Beans (dry)	0.2	CXL			
FC	0001 Citrus fruits	5	CXL			
AB	0001 Citrus pulp, Dry	40	CXL			
VP	0526 Common bean (pods and/or immature seeds)	20	CXL			
SO	0691 Cotton seed	0.1 (*)	CXL			
FB	0265 Cranberry	10	CXL			
VC	0424 Cucumber	0.5	CXL			
DF	0269 Dried grapes (=currants, raisins and sultanas)	10	CXL			
PE	0112 Eggs	0.1	CXL			
FT	0297 Fig	2	CXL			
AB	0269 Grape pomace, Dry	40	CXL			
FB	0269 Grapes	10	CXL			
DH	1100 Hops, Dry	30	CXL			
GC	0645 Maize	0.1 (*)	CXL			
AS	0645 Maize fodder	10	CXL			
AF	0645 Maize forage	10	CXL			
MM	0095 Meat (from mammals other than marine mammals)	0.1 (fat)	CXL			
ML	0106 Milks	0.1 F	CXL			

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AM	0738	Mint hay	50		CXL
FS	0245	Nectarine	7		CXL
FS	0247	Peach	7		CXL
SO	0697	Peanut	0.1	(*)	CXL
AL	0697	Peanut fodder	10		CXL
AL	1270	Peanut forage (green)	10	fresh wt	CXL
FP	0230	Pear	5		CXL
FS	0014	Plums (including prunes)	7		CXL
VR	0589	Potato	0.1	(*)	CXL
PM	0110	Poultry meat	0.1	(fat)	CXL
GC	0651	Sorghum	5		CXL
AF	0651	Sorghum forage (green)	10	fresh wt	CXL
AS	0651	Sorghum straw and fodder, Dry	10		CXL
FB	0275	Strawberry	7		CXL
DT	1114	Tea, Green, Black	10		CXL
VO	0448	Tomato	2		CXL
TN	0678	Walnuts	0.1	(*)	CXL

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**115 TECNAZENE**

Main Uses 5 FUNGICIDE

JMPR 74, 78, 81R, 83T, 87R, 89R, 94

ADI 0.02 mg/kg body weight (1994)

RESIDUE Tecnazene.

Commodit		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
VR	0589 Potato	20	Po	CXL		(1997)	Washed before analysis.

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116 TRIFORINE

Main Uses 5 FUNGICIDE

JMPR 77T, 78, 97T' (04R')

ADI 0.02 mg/kg body weight (1978; confirmed 1997)

RESIDUE Determined as chloral hydrate and expressed as triforine.

Note The MRLs for all commodities, except tree tomato, will be supported (32.124).

Commodit						
Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	2	CXL			
FB	0020 Blueberries	1	CXL			
VB	0402 Brussels sprouts	0.2	CXL			
GC	0080 Cereal grains	0.1	CXL			
FS	0013 Cherries	2	CXL			
VP	0526 Common bean (pods and/or immature seeds)	1	CXL			
FB	0021 Currants, Black, Red, White	1	CXL			
VC	0045 Fruiting vegetables, Cucurbits	0.5	CXL			
FB	0268 Gooseberry	1	CXL			
FS	0247 Peach	5	CXL		Po	
FS	0014 Plums (including prunes)	2	CXL			
FB	0275 Strawberry	1	CXL			
VO	0448 Tomato	0.5	CXL			

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**117 ALDICARB**

Main Uses 8 INSECTICIDE

JMPR 79, 82, 85R, 88R, 90R, 92T, 93R, 94R', 95T, 96R, 01R

ADI 0.003 mg/kg body weight (1992)

AcuteRfD 0.003

RESIDUE Plant commodities: Sum of aldicarb, aldicarb sulphoxide and aldicarb sulphone, expressed as aldicarb.

Note The CCPR-30 was informed that an example of a probabilistic method for estimating acute dietary intake would be provided to the JMPR (30.69).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FI	0327 Banana	0.2	3	01		
GC	0640 Barley	0.02	CXL		(1997)	
AS	0640 Barley straw and fodder,	0.05	CXL		(1997)	
VD	0071 Beans (dry)	0.1	CXL			Confirmed (1994 JMPR).
VB	0402 Brussels sprouts	0.1	CXL		(1997)	
FC	0001 Citrus fruits	0.2	CXL		(1991)	Confirmed (1994 JMPR).
SB	0716 Coffee beans	0.1	CXL			Confirmed (1994 JMPR).
SO	0691 Cotton seed	0.1	CXL			Confirmed (1994 JMPR).
OR	0691 Cotton seed oil, Edible	0.01 (*)	CXL		(1997)	
FB	0269 Grapes	0.2	CXL		(1997)	
GC	0645 Maize	0.05	CXL			Confirmed (1994 JMPR).
AS	0645 Maize fodder	0.5	CXL		(1997)	
AF	0645 Maize forage	0.5	CXL		(1997)	
MM	0095 Meat (from mammals other than marine mammals)	0.01 (*)	CXL			Confirmed (1994 JMPR).
ML	0106 Milks	0.01 (*)	CXL			Confirmed (1994 JMPR).
VA	0385 Onion, Bulb	0.1	CXL		(1997)	
SO	0697 Peanut	0.02	CXL		(1997)	
OR	0697 Peanut oil, Edible	0.01 (*)	CXL		(1997)	
TN	0672 Pecan	1	CXL		(1997)	
VR	0589 Potato	0.5	CXL		(1995)	
VR	0589 Potato	0.5	6(a)	96, 01	30, 32, 33	The 1996 JMPR converted the previous temporary status to full status. Confirmed (2001 JMPR).
GC	0651 Sorghum	0.1	CXL		(1997)	
AS	0651 Sorghum straw and fodder, Dry	0.5	CXL			Confirmed (1994 JMPR).
VD	0541 Soya bean (dry)	0.02 (*)	CXL			Confirmed (1994 JMPR).

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VR	0596	Sugar beet	0.05	(*)	CXL		Confirmed (1994 JMPR).
AV	0596	Sugar beet leaves or tops	1		CXL		Confirmed (1994 JMPR).
GS	0659	Sugar cane	0.1		CXL	(1997)	
SO	0702	Sunflower seed	0.05	(*)	CXL	(1997)	
VR	0508	Sweet potato	0.1		CXL		Confirmed (1994 JMPR).
GC	0654	Wheat	0.02		CXL	(1997)	
AS	0654	Wheat straw and fodder,	0.05		CXL	(1997)	

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**118 CYPERMETHRIN**

Main Uses 8 INSECTICIDE

JMPR 79, 81, 82R, 83R, 84R, 85R, 86R, 88R, 90R (04R')

ADI 0.05 mg/kg body weight (1981; confirmed by JECFA in 1996)

RESIDUE Cypermethrin (sum of isomers) (fat-soluble).

Note Cypermethrin and alpha-cypermethrin have been evaluated by JECFA at its 47th (1996) and 54th (2000) meetings. The 47th JECFA proposed a number of temporary MRLs for these substances arising from their veterinary uses, which were advanced by the CCRVDF to Step 8. The CAC-23 agreed to hold them at Step 8 and requested the JMPR/CCPR and JECFA/CCRVDF to work on harmonization. The CCRVDF-12 (2000) agreed to withdraw these temporary MRLs in accordance with the recommendation of the 54th JECFA which did not extend these temporary MRLs as data required had not been submitted.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1021 Alfalfa forage (green)	5				
GC	0640 Barley	0.5				
VP	0062 Beans, Shelled	0.05 (*)				
FB	0018 Berries and other small	0.5			(1991)	
VB	0040 Brassica vegetables	1				
FS	0013 Cherries	1				
FC	0001 Citrus fruits	2				
SB	0716 Coffee beans	0.05 (*)				
VP	0526 Common bean (pods and/or immature seeds)	0.5				
VC	0424 Cucumber	0.2				
MO	0105 Edible offal (mammalian)	0.05 (*)				The MRL accommodates external animal treatment.
VO	0440 Egg plant	0.2				
PE	0112 Eggs	0.05 (*)				
VL	0480 Kale	1				
VA	0384 Leek	0.5				
VL	0482 Lettuce, Head	2				
GC	0645 Maize	0.05 (*)				
AS	0645 Maize fodder	5				
MM	0095 Meat (from mammals other than marine mammals)	0.2 (fat)				The MRL accommodates external animal treatment.
ML	0106 Milks	0.05 F				
VO	0450 Mushrooms	0.05 (*)				The MRL accommodates external animal treatment.
FS	0245 Nectarine	2				
SO	0089 Oilseed, except peanut	0.2				



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VA	0385	Onion, Bulb	0.1		CXL
FS	0247	Peach	2		CXL
SO	0697	Peanut	0.05	(*)	CXL
VP	0063	Peas (pods and succulent=immature seeds)	0.05	(*)	CXL
VO	0051	Peppers	0.5		CXL
FS	0014	Plums (including prunes)	1		CXL
FP	0009	Pome fruits	2		CXL
PM	0110	Poultry meat	0.05	(*)	CXL
VR	0075	Root and tuber vegetables	0.05	(*)	CXL
AS	0651	Sorghum straw and fodder, Dry	5		CXL
VD	0541	Soya bean (dry)	0.05	(*)	CXL
VL	0502	Spinach	2		CXL
VO	0447	Sweet corn (corn-on-the-cob)	0.05	(*)	CXL
DT	1114	Tea, Green, Black	20		CXL
VO	0448	Tomato	0.5		CXL
OR	0172	Vegetable oils, Edible	0.5		CXL
GC	0654	Wheat	0.2		CXL
AS	0654	Wheat straw and fodder,	5		CXL

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**119 FENVALERATE**

Main Uses 8 INSECTICIDE  
 JMPR 79, 81, 82T, 84, 85R, 86, 88R, 90R  
 ADI 0.02 mg/kg body weight (1986)  
 RESIDUE Fenvalerate (fat-soluble).

Code	Commodity Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	20	dry wt	CXL			
VP	0061 Beans, except broad bean and soya bean	1		CXL			
VP	0062 Beans, Shelled	0.1		CXL			
FB	0018 Berries and other small	1		CXL			
VB	0400 Broccoli	2		CXL			
VB	0402 Brussels sprouts	2		CXL		(1991)	
VB	0041 Cabbages, Head	3		CXL			
VB	0404 Cauliflower	2		CXL			
VS	0624 Celery	2		CXL			
GC	0080 Cereal grains	2	Po	CXL			
FS	0013 Cherries	2		CXL			
VL	0466 Chinese cabbage (type pak-choi)	1		CXL			
FC	0001 Citrus fruits	2		CXL			
SO	0691 Cotton seed	0.2		CXL			
OC	0691 Cotton seed oil, Crude	0.1		CXL			
OR	0691 Cotton seed oil, Edible	0.1		CXL			
VC	0424 Cucumber	0.2		CXL			
MO	0105 Edible offal (mammalian)	0.02		CXL			
VL	0480 Kale	10		CXL			
FI	0341 Kiwifruit	5		CXL			
VL	0482 Lettuce, Head	2		CXL			
MM	0095 Meat (from mammals other than marine mammals)	1	(fat)	CXL			
VC	0046 Melons, except watermelon	0.2		CXL			
ML	0106 Milks	0.1	F	CXL			
FS	0247 Peach	5		CXL			

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SO	0703	Peanut, Whole	0.1		CXL
VP	0064	Peas, Shelled (succulent seeds)	0.1		CXL
VO	0445	Peppers, Sweet	0.5		CXL
FP	0009	Pome fruits	2		CXL
VR	0075	Root and tuber vegetables	0.05		CXL
VD	0541	Soya bean (dry)	0.1		CXL
VC	0431	Squash, Summer	0.5		CXL
SO	0702	Sunflower seed	0.1		CXL
VO	0447	Sweet corn (corn-on-the-cob)	0.1		CXL
VO	0448	Tomato	1		CXL
TN	0085	Tree nuts	0.2		CXL
VC	0432	Watermelon	0.5		CXL
CM	0654	Wheat bran, Unprocessed	5	PoP	CXL
CF	1211	Wheat flour	0.2	PoP	CXL
CF	1212	Wheat wholemeal	2	PoP	CXL
VC	0433	Winter squash	0.5		CXL

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**120 PERMETHRIN**

Main Uses 8 INSECTICIDE

JMPR 79, 80R, 81, 82R, 83R, 84R, 85R, 86, 87T, 88R, 89R, 91R, 99T'

ADI 0.05 mg/kg body weight (1987; confirmed 1999)

RESIDUE Permethrin (sum of isomers) (fat-soluble).

ADI applies to technical grade permethrin with cis:trans ratios of 25:75 to 40:60.

Note Permethrin was reviewed by the 54th JECFA (February 2000) but as a different formulation (cis:trans ratio of 80:20) was used for veterinary applications, it did not make any proposals on ADI or MRLs.

The CCPR-32 requested detailed information on support for permethrin. The CCPR-33 should consider revocation of all Codex MRLs for commodities which would not be supported.(32.127).

The CCPR-33 was informed that 30 to 40 commodities would be supported. It decided to retain all CXLs pending review at its next session (33.148).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
AL	1020 Alfalfa fodder	100				dry wt
TN	0660 Almonds	0.1				
AB	0226 Apple pomace, Dry	50				
VS	0621 Asparagus	1				
VD	0071 Beans (dry)	0.1				
FB	0264 Blackberries	1				
VB	0400 Broccoli	2				
VB	0402 Brussels sprouts	1				
VB	0403 Cabbage, Savoy	5				
VB	0041 Cabbages, Head	5				
VR	0577 Carrot	0.1				
VB	0404 Cauliflower	0.5				
VS	0624 Celery	2				
GC	0080 Cereal grains	2				Po
VL	0467 Chinese cabbage (type pe-tsai)	5				
FC	0001 Citrus fruits	0.5				
SB	0716 Coffee beans	0.05				(*)
VP	0526 Common bean (pods and/or immature seeds)	1				
SO	0691 Cotton seed	0.5				
OR	0691 Cotton seed oil, Edible	0.1				
VC	0424 Cucumber	0.5				

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FB	0021	Currants, Black, Red, White	2		CXL	
FB	0266	Dewberries (including boysenberry and loganberry)	1		CXL	
MO	0105	Edible offal (mammalian)	0.1		CXL	The MRL accommodates external animal treatment.
VO	0440	Egg plant	1		CXL	
PE	0112	Eggs	0.1		CXL	
VC	0425	Gherkin	0.5		CXL	
FB	0268	Gooseberry	2		CXL	
FB	0269	Grapes	2		CXL	
DH	1100	Hops, Dry	50		CXL	
VR	0583	Horseradish	0.5		CXL	
VL	0480	Kale	5		CXL	
FI	0341	Kiwifruit	2		CXL	
VB	0405	Kohlrabi	0.1		CXL	
VA	0384	Leek	0.5		CXL	
VL	0482	Lettuce, Head	2		CXL	
AS	0645	Maize fodder	100	dry wt	CXL	
MM	0095	Meat (from mammals other than marine mammals)	1	(fat)	CXL	The MRL accommodates external animal treatment.
VC	0046	Melons, except watermelon	0.1		CXL	
ML	0106	Milks	0.1	F	CXL	
VO	0450	Mushrooms	0.1		CXL	
FT	0305	Olives	1		CXL	
SO	0697	Peanut	0.1		CXL	
VP	0064	Peas, Shelled (succulent seeds)	0.1		CXL	
VO	0051	Peppers	1		CXL	
TN	0675	Pistachio nuts	0.05	(*)	CXL	
FP	0009	Pome fruits	2		CXL	
VR	0589	Potato	0.05	(*)	CXL	
PM	0110	Poultry meat	0.1		CXL	
VR	0591	Radish, Japanese	0.1		CXL	
SO	0495	Rape seed	0.05	(*)	CXL	
FB	0272	Raspberries, Red, Black	1		CXL	
AS	0651	Sorghum straw and fodder, Dry	20		CXL	

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VD	0541	Soya bean (dry)	0.05	(*)		CXL	
AL	0541	Soya bean fodder	50		dry wt	CXL	
OC	0541	Soya bean oil, Crude	0.1			CXL	
VL	0502	Spinach	2			CXL	
VA	0389	Spring onion	0.5			CXL	
VC	0431	Squash, Summer	0.5			CXL	
FS	0012	Stone fruits	2			CXL	
FB	0275	Strawberry	1			CXL	
VR	0596	Sugar beet	0.05	(*)		CXL	
SO	0702	Sunflower seed	1			CXL	
OC	0702	Sunflower seed oil, Crude	1			CXL	
OR	0702	Sunflower seed oil, Edible	1			CXL	
VO	0447	Sweet corn	0.1			CXL	
		(corn-on-the-cob)					
DT	1114	Tea, Green, Black	20			CXL	
VO	0448	Tomato	1			CXL	
CM	0654	Wheat bran, Unprocessed	5		PoP	CXL	(1993)
CF	1211	Wheat flour	0.5		PoP	CXL	(1993)
CF	1210	Wheat germ	2		PoP	CXL	(1993)
CF	1212	Wheat wholemeal	2		PoP	CXL	(1993)
VC	0433	Winter squash	0.5			CXL	

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**122 AMITRAZ**

Main Uses 8 INSECTICIDE

JMPR 80, 83R, 84, 85R, 86R, 89R, 90, 98T' (03R')

ADI 0.01 mg/kg body weight (1998)

AcuteRfD 0.01

RESIDUE Sum of amitraz and N-(2,4-dimethylphenyl)-N'-methylformamidine calculated as N-(2,4-dimethylphenyl)-N'-methylformamidine.

Note Previous ADI 0.003 mg/kg bw (1984, confirmed 1990).

In view of the lack of responses to repeated requests to submit information on national residue definitions to the JMPR, the 26th CCPR agreed to maintain the residue definition as currently defined (26.224).

Code	Commodit Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
MM	0812 Cattle meat	0.05	CXL			The MRL accommodates external animal treatment.
FS	0013 Cherries	0.5	CXL			
SO	0691 Cotton seed	0.5	CXL			
OC	0691 Cotton seed oil, Crude	0.05	CXL			
VC	0424 Cucumber	0.5	CXL			
MO	0097 Edible offal of cattle, pigs & sheep	0.2	CXL			The MRL accommodates external animal treatment.
ML	0106 Milks	0.01 (*)	CXL			The MRL accommodates external animal treatment.
FC	0004 Oranges, Sweet, Sour	0.5	CXL			
FS	0247 Peach	0.5	CXL			
MM	0818 Pig meat	0.05	CXL			The MRL accommodates external animal treatment.
FP	0009 Pome fruits	0.5	CXL			
MM	0822 Sheep meat	0.1	CXL			The MRL accommodates external animal treatment.
VO	0448 Tomato	0.5	CXL		(1991)	

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**124 MECARBAM**

Main Uses 8 INSECTICIDE

JMPR 80, 83, 85, 86, 87R (01T')(03R')

ADI 0.002 mg/kg body weight (1986)

RESIDUE Mecarbam.

Note The CCPR-34 would consider revocation of CXLs (33.151).

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
MM	0812 Cattle meat	0.01 (*)				CXL
ML	0812 Cattle milk	0.01				CXL
MO	0812 Cattle, Edible offal of	0.01 (*)				CXL
FC	0001 Citrus fruits	2				CXL



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**126 OXAMYL**

Main Uses 8 INSECTICIDE

JMPR 80, 83R, 84T, 85, 86R (02')

ADI 0.03 mg/kg body weight (1984)

RESIDUE Sum of oxamyl and 2-hydroxyimino-N,N-dimethyl-2- (methylthio)acetamide ("oxamyl oxime") expressed as oxamyl.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	2	CXL			
FI	0327 Banana	0.2	CXL			
VP	0061 Beans, except broad bean and soya bean	0.2	CXL			
VS	0624 Celery	5	CXL			
FC	0001 Citrus fruits	5	CXL			
SB	0716 Coffee beans	0.1	CXL			
SO	0691 Cotton seed	0.2	CXL			
VC	0424 Cucumber	2	CXL			
GC	0645 Maize	0.05 (*)	CXL			
VC	0046 Melons, except watermelon	2	CXL			
VA	0385 Onion, Bulb	0.05 (*)	CXL			
SO	0697 Peanut	0.1	CXL			
AL	0697 Peanut fodder	2	CXL			
VO	0445 Peppers, Sweet	2	CXL			
FI	0353 Pineapple	1	CXL			
VR	0075 Root and tuber vegetables	0.1	CXL			
VD	0541 Soya bean (dry)	0.1	CXL			
VC	0431 Squash, Summer	2	CXL			
GS	0659 Sugar cane	0.05 (*)	CXL			
VO	0448 Tomato	2	CXL			
VC	0432 Watermelon	2	CXL			

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**129 AZOCYCLOTIN**

Main Uses 1 ACARICIDE

JMPR 79R, 81T, 82R, 83R, 85R, 89, 91R, 94T (03T')(04R')

ADI 0.007 mg/kg body weight (1994)

RESIDUE Sum of azocyclotin and cyhexatin, expressed as cyhexatin.

See also (67) cyhexatin.

Note The CCPR-25 decided to harmonize the residue definition as the sum of azocyclotin and cyhexatin expressed as cyhexatin and to have 2 separate but identical lists.

The CCPR-31 agreed to consider deletion of the existing CXLs and MRLs at its 32nd Session as the use of azocyclotin would no longer be supported. The CCPR-31 requested information on the support of cyhexatin and which commodities would be supported before its 32nd Session (31.92). The CCPR-32 requested written confirmation of the commodities supported before the CCPR-33. Draft MRLs were retained at Step 7C pending written confirmation for support (32.129).

The CCPR-33 decided to retain the draft MRLs for apple, nectarine, peach, pear and plums (including prunes) and maintained the CXLs for citrus fruits, grapes, meat (from mammals other than marine mammals), milk products and milks.(33.152)

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	2	7C	82, 89, 91	26, 32	Not adopted at Step 8 by the CAC-20. The CCPR requested information about the availability of residue data to support a re-evaluation by a future JMPR (26.234). Support confirmed (32.129).
FC	0001 Citrus fruits	2	CXL		(1993)	
FB	0269 Grapes	0.2	CXL		(1993)	Support confirmed (32.129)
MM	0095 Meat (from mammals other than marine mammals)	0.2	CXL		(1993)	
AO3	0001 Milk products	0.05 (*)	CXL		(1993)	The MRL accommodates external animal treatment.
ML	0106 Milks	0.05 (*)	CXL		(1993)	The MRL accommodates external animal treatment.
FS	0245 Nectarine	1	7C	91	26, 32	The CCPR requested information on the availability of residue data to support a re-evaluation by a future JMPR
FS	0247 Peach	1	7C	91	26, 32	Not adopted at Step 8 by the CAC-20. The CCPR requested information on the availability of residue data to support a re-evaluation by a future JMPR (26.234).
FP	0230 Pear	2	7C	91	26, 32	Not adopted at Step 8 by the CAC-20. The CCPR requested information on the availability of residue data to support a re-evaluation by a future JMPR (26.234).
FS	0014 Plums (including prunes)	2	7C	91	26, 32	Not adopted at Step 8 by the CAC-20. The CCPR requested information on the availability of residue data to support a re-evaluation by a future JMPR (26.234).

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**130 DIFLUBENZURON**

Main Uses 8 INSECTICIDE  
JMPR 81, 83R, 84, 85, 88R, 01T  
ADI 0.02 mg/kg body weight (1985)  
RESIDUE Diflubenzuron.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	1	CXL			
VB	0402 Brussels sprouts	1	CXL			
VB	0041 Cabbages, Head	1	CXL			
FC	0001 Citrus fruits	1	CXL			
SO	0691 Cotton seed	0.2	CXL			
MO	0105 Edible offal (mammalian)	0.05 (*)	CXL			
PE	0112 Eggs	0.05 (*)	CXL			
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	CXL			
ML	0106 Milks	0.05 (*)	CXL			
VO	0450 Mushrooms	0.1	CXL			
FP	0230 Pear	1	CXL			
FS	0014 Plums (including prunes)	1	CXL			
PM	0110 Poultry meat	0.05 (*)	CXL			
VD	0541 Soya bean (dry)	0.1	CXL			
VO	0448 Tomato	1	CXL			

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**132 METHIOCARB**

Main Uses 8 INSECTICIDE

JMPR 81, 83, 84T, 85T, 86R, 87, 88R, 98T', 99R'

ADI 0.02 mg/kg body weight (1998)

AcuteRfD 0.02

RESIDUE Sum of methiocarb, its sulphoxide and its sulphone, expressed as methiocarb.

Note Previous ADI 0.001 mg/kg bw (1981; confirmed 1987).

The CCPR-33 was informed that studies on storage stability would be made available at the end of 2002 and data would be provided to support artichoke globe, rapeseed, sugar beet and sweet corn (corn-on-the-web).(33.153)

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FB	0275 Strawberry	1	6	99	33	

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**133 TRIADIMEFON**

Main Uses 5 FUNGICIDE

JMPR 79R, 81, 83, 84R, 85, 86R, 88R, 89R, 92R, 95R (03T')(04R')

ADI 0.03 mg/kg body weight (1985)

RESIDUE Triadimefon.

See (168) triadimenol for triadimenol MRLs covering uses of triadimefon and triadimenol.

Note 1992 JMPR changed definition of residue. Previous MRLs referred to the sum of triadimefon and triadimenol.

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
GC 0640	Barley	0.5	CXL		(1995)	
AS 0640	Barley straw and fodder,	2	CXL		(1995)	
VD 0524	Chick-pea (dry)	0.05 (*)	CXL		(1997)	
SB 0716	Coffee beans	0.05 (*)	CXL		(1997)	
FB 0021	Currants, Black, Red, White	0.2	CXL		(1997)	
PE 0112	Eggs	0.05 (*)	CXL		(1997)	
AM 1051	Fodder beet	0.05 (*)	CXL		(1997)	
AV 1051	Fodder beet leaves or tops	0.05 (*)	CXL		(1997)	
VC 0045	Fruiting vegetables, Cucurbits	0.1	CXL		(1997)	
FB 0269	Grapes	0.5	CXL		(1995)	
DH 1100	Hops, Dry	10	CXL		(1997)	
FI 0345	Mango	0.05 (*)	CXL		(1997)	
MM 0095	Meat (from mammals other than marine mammals)	0.05 (*)	CXL		(1997)	
ML 0106	Milks	0.05 (*)	CXL		(1997)	
AS 0647	Oat straw and fodder, Dry	2	CXL		(1995)	
GC 0647	Oats	0.1	CXL		(1995)	
VA 0387	Onion, Welsh	0.05 (*)	CXL		(1997)	
VP 0063	Peas (pods and succulent=immature seeds)	0.05 (*)	CXL		(1997)	
VO 0445	Peppers, Sweet	0.1	CXL		(1997)	
FI 0353	Pineapple	2 Po	CXL		(1997)	
FP 0009	Pome fruits	0.5	CXL			
PM 0110	Poultry meat	0.05 (*)	CXL		(1997)	
FB 0272	Raspberries, Red, Black	1	CXL		(1995)	
GC 0650	Rye	0.1	CXL		(1995)	

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AS	0650	Rye straw and fodder, Dry	2		CXL	(1995)
VA	0389	Spring onion	0.05	(*)	CXL	(1997)
FB	0275	Strawberry	0.1		CXL	(1997)
VR	0596	Sugar beet	0.1	(*)	CXL	
AV	0596	Sugar beet leaves or tops	2		CXL	
VO	0448	Tomato	0.2		CXL	(1997)
GC	0654	Wheat	0.1		CXL	(1995)
AS	0654	Wheat straw and fodder,	2		CXL	(1995)

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**135 DELTAMETHRIN**

Main Uses 8 INSECTICIDE

JMPR 80, 81, 82, 84R, 85R, 86R, 87R, 88R, 90R, 92R, 00T', (02R')

ADI 0.01 mg/kg body weight (1982; confirmed 2000)

AcuteRfD 0.05

RESIDUE Deltamethrin (fat-soluble).

Note The 52nd JECFA estimated the following MRLs arising from veterinary uses (residue definition: deltamethrin): Muscle of cattle, sheep, chickens and salmon, 0.03 mg/kg (No residues were detected. MRLs for guidance only and are based on two times the limit of quantification of the analytical method); Liver of cattle, sheep and chickens, 0.05 mg/kg; Kidney of cattle, sheep and chickens, 0.05 mg/kg; Fat of cattle, sheep and chickens, 0.5 mg/kg; Cattle milk, 0.03 mg/kg (No residues were detected. MRLs for guidance only and are based on two times the limit of quantification of the analytical method); Chicken eggs, 0.03 mg/kg (No residues were detected. MRLs for guidance only and are based on two times the limit of quantification of the analytical method). The CCRVDF-12 (2000) retained them to Step 4.

Code	Commodity Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VS	0620 Artichoke globe	0.05		CXL			
FI	0327 Banana	0.05		CXL			
VD	0071 Beans (dry)	1	Po	CXL		(1991)	
VB	0040 Brassica vegetables	0.2		CXL			
VA	0036 Bulb vegetables, except fennel, bulb	0.1		CXL			
SB	0715 Cacao beans	0.05		CXL			
GC	0080 Cereal grains	1	Po	CXL			
SB	0716 Coffee beans	2	Po	CXL			
MO	0105 Edible offal (mammalian)	0.05		CXL		(1991)	The MRL accommodates external animal treatment.
PE	0112 Eggs	0.01	(*)	CXL		(1991)	
VD	0561 Field pea (dry)	1	Po	CXL		(1991)	
FT	0297 Fig	0.01	(*)	CXL			
VO	0050 Fruiting vegetables other than cucurbits	0.2		CXL			Except mushrooms.
VC	0045 Fruiting vegetables, Cucurbits	0.2		CXL			
FB	0269 Grapes	0.05		CXL			
DH	1100 Hops, Dry	5		CXL			
FI	0341 Kiwifruit	0.05		CXL			
VL	0053 Leafy vegetables	0.5		CXL			
AL	0157 Legume animal feeds	0.5	dry wt	CXL			
VP	0060 Legume vegetables	0.1		CXL			

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VD	0533	Lentil (dry)	1	Po	CXL	(1991)	
FC	0003	Mandarins	0.05		CXL		
MM	0095	Meat (from mammals other than marine mammals)	0.5	(fat)	CXL	(1993)	The MRL accommodates external animal treatment.
VC	0046	Melons, except watermelon	0.01	(*)	CXL		
ML	0106	Milks	0.02	F	CXL	(1991)	The MRL accommodates external animal treatment.
VO	0450	Mushrooms	0.01	(*)	CXL		
SO	0088	Oilseed	0.1		CXL		
SO	0089	Oilseed, except peanut	0.1		CXL	(1991)	
FT	0305	Olives	0.1		CXL		
FC	0004	Oranges, Sweet, Sour	0.05		CXL		
SO	0697	Peanut	0.01	(*)	CXL	(1991)	
FI	0353	Pineapple	0.01	(*)	CXL		
FP	0009	Pome fruits	0.1		CXL		
PM	0110	Poultry meat	0.01	(*)	CXL	(1991)	
PO	0111	Poultry, Edible offal of	0.01	(*)	CXL	(1991)	
VR	0075	Root and tuber vegetables	0.01		CXL		
FS	0012	Stone fruits	0.05		CXL		
AS	0081	Straw and fodder (dry) of cereal grains	0.5		CXL		
FB	0275	Strawberry	0.05		CXL		
DT	1114	Tea, Green, Black	10		CXL		
FT	0312	Tree tomato	0.02		CXL	(1995)	
CM	0654	Wheat bran, Unprocessed	5	PoP	CXL	(1995)	
CF	1211	Wheat flour	0.2	PoP	CXL	(1995)	
CF	1212	Wheat wholemeal	1	PoP	CXL	(1995)	



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**136 PROCYMIDONE**

Main Uses 5 FUNGICIDE

JMPR 81R, 82T, 89, 90R, 93R, 98R

ADI 0.1 mg/kg body weight (1989)

RESIDUE Procymidone.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VB	0041 Cabbages, Head	2	CXL		(2001)	
FS	0013 Cherries	10	CXL		(1995)	
VP	0526 Common bean (pods and/or immature seeds)	1	CXL		(1995)	
VC	0424 Cucumber	2	CXL		(1995)	
VP	0528 Garden pea (young pods)	3	CXL		(2001)	
VP	0529 Garden pea, Shelled	1	CXL		(2001)	
VC	0425 Gherkin	2	CXL		(1995)	
FB	0269 Grapes	5	CXL		(1995)	
VL	0482 Lettuce, Head	5	CXL		(1995)	
VA	0385 Onion, Bulb	0.2	CXL		(1995)	
FS	0247 Peach	2	CXL		(2001)	
FP	0230 Pear	1	CXL		(2001)	
VO	0051 Peppers	5	CXL		(1995)	
FS	0014 Plums (including prunes)	2	CXL		(2001)	
FB	0272 Raspberries, Red, Black	10	CXL		(1995)	
FB	0275 Strawberry	10	CXL		(1995)	
SO	0702 Sunflower seed	0.2	CXL		(1995)	
OR	0702 Sunflower seed oil, Edible	0.5	CXL		(1995)	
VO	0448 Tomato	5	CXL		(1995)	

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**137 BENDIOCARB**

Main Uses 8 INSECTICIDE

JMPR 82, 84, 89R, 90R (03T')(04R')

ADI 0.004 mg/kg body weight (1984)

RESIDUE Plant commodities: Unconjugated bendiocarb.

Animal commodities: Sum of conjugated/unconjugated bendiocarb, 2,2-dimethyl-1,3-benzodioxol-4-ol/N-hydroxymethyl bendiocarb expressed as bendiocarb.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VR	0574 Beetroot	0.05 (*)	CXL		(1991)	
MF	0812 Cattle fat	0.05 (*)	CXL			The MRL accommodates external animal treatment.
MO	1280 Cattle kidney	0.2 (*)	CXL			The MRL accommodates external animal treatment.
MM	0812 Cattle meat	0.05 (*)	CXL			The MRL accommodates external animal treatment.
MO	0812 Cattle, Edible offal of	0.05 (*)	CXL			Except kidney. The MRL accommodates external animal treatment.
PE	0112 Eggs	0.05 (*)	CXL			
GC	0645 Maize	0.05 (*)	CXL			
AS	0645 Maize fodder	0.05 (*)	CXL			
AF	0645 Maize forage	0.05 (*)	CXL			
ML	0106 Milks	0.05 (*)	CXL			The MRL accommodates external animal treatment.
VR	0589 Potato	0.05 (*)	CXL			
PF	0111 Poultry fats	0.05 (*)	CXL			
PM	0110 Poultry meat	0.05 (*)	CXL			
PO	0111 Poultry, Edible offal of	0.05 (*)	CXL			
VR	0596 Sugar beet	0.05 (*)	CXL			
AV	0596 Sugar beet leaves or tops	0.05 (*)	CXL			

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**138 METALAXYL**

Main Uses 5 FUNGICIDE

JMPR 82, 84R, 85R, 86R, 87R, 89R, 90R, 92R, 95R

ADI 0.03 mg/kg body weight (1982)

RESIDUE Metalaxyl.

Code	Commodity Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VS	0621 Asparagus	0.05	(*)	CXL			
FI	0326 Avocado	0.2		CXL			
VB	0400 Broccoli	0.5		CXL		(1993)	
VB	0402 Brussels sprouts	0.2		CXL		(1991)	
VB	0041 Cabbages, Head	0.5		CXL		(1993)	
SB	0715 Cacao beans	0.2		CXL		(1991)	
VR	0577 Carrot	0.05	(*)	CXL		(1991)	
VB	0404 Cauliflower	0.5		CXL		(1993)	
GC	0080 Cereal grains	0.05	(*)	CXL			
FC	0001 Citrus fruits	5	Po	CXL			
SO	0691 Cotton seed	0.05	(*)	CXL			
VC	0424 Cucumber	0.5		CXL		(1991)	
VC	0425 Gherkin	0.5		CXL		(1991)	
FB	0269 Grapes	1		CXL			
DH	1100 Hops, Dry	10		CXL			
VL	0482 Lettuce, Head	2		CXL		(1995)	
VC	0046 Melons, except watermelon	0.2		CXL			
VA	0385 Onion, Bulb	2		CXL		(1995)	
SO	0697 Peanut	0.1		CXL			
VP	0064 Peas, Shelled (succulent seeds)	0.05	(*)	CXL			
VO	0051 Peppers	1		CXL			
FP	0009 Pome fruits	1	Po	CXL		(1993)	
VR	0589 Potato	0.05	(*)	CXL			
FB	0272 Raspberries, Red, Black	0.2		CXL		(1991)	
VD	0541 Soya bean (dry)	0.05	(*)	CXL			
VL	0502 Spinach	2		CXL		(1995)	
VC	0431 Squash, Summer	0.2		CXL			

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VR	0596	Sugar beet	0.05	(*)	CXL
SO	0702	Sunflower seed	0.05	(*)	CXL
VO	0448	Tomato	0.5		CXL
VC	0432	Watermelon	0.2		CXL
VC	0433	Winter squash	0.2		CXL

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**142 PROCHLORAZ**

Main Uses 5 FUNGICIDE

JMPR 83, 85R, 87R, 88R, 89R, 90R, 92T, 01T' (02R')

ADI 0.01 mg/kg body weight (1983; confirmed 2001)

AcuteRfD 0.1

RESIDUE Sum of prochloraz and its metabolites containing the 2,4,6-trichlorophenol moiety, expressed as prochloraz.

MRLs cover cumulative residues from pre- and post-harvest treatments.

Note The CCPR noted concerns about the dose level fed to animals in transfer studies and about a different limit of determination used in residue studies (24.146).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FI	0326 Avocado	5	Po	CXL		
FI	0327 Banana	5	Po	CXL		
GC	0640 Barley	0.5		CXL		
AS	0640 Barley straw and fodder,	15		CXL		
MF	0812 Cattle fat	0.5		CXL	(1993)	
MM	0812 Cattle meat	0.1	(*)	CXL	(1993)	
MO	0812 Cattle, Edible offal of	5		CXL	(1993)	
SB	0716 Coffee beans	0.2		CXL	(1991)	
FI	0345 Mango	2	Po	CXL		
ML	0106 Milks	0.1	(*)	CXL	(1993)	
VO	0450 Mushrooms	2		CXL		
AS	0647 Oat straw and fodder, Dry	15		CXL		
GC	0647 Oats	0.5		CXL		
FC	0004 Oranges, Sweet, Sour	5	Po	CXL	(1991)	
FI	0350 Papaya	1	Po	CXL	(1991)	
SO	0495 Rape seed	0.5		CXL		
GC	0650 Rye	0.5		CXL		
AS	0650 Rye straw and fodder, Dry	15		CXL		
FS	0012 Stone fruits	0.05		CXL	(1991)	
GC	0654 Wheat	0.5		CXL		
AS	0654 Wheat straw and fodder,	15		CXL		

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**143 TRIAZOPHOS**

Main Uses 8 INSECTICIDE  
 JMPR 82T, 83R, 86, 90R, 92R, 93 (02R')  
 ADI 0.001 mg/kg body weight (1993)

**RESIDUE** Triazophos.

Note Scheduled for Periodic Review (residues) by the 2002 JMPR.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VP	0523 Broad bean, Shelled (succulent)(=immature seeds)	0.02 (*)	CXL		(1995)	
VB	0402 Brussels sprouts	0.1	CXL		(1995)	
VB	0041 Cabbages, Head	0.1	CXL		(1995)	
VR	0577 Carrot	0.5	CXL		(1997)	
MM	0812 Cattle meat	0.01 (*)	CXL		(1995)	
ML	0812 Cattle milk	0.01 (*)	CXL		(1995)	
VB	0404 Cauliflower	0.1	CXL		(1995)	
GC	0080 Cereal grains	0.05 (*)	CXL		(1995)	
SB	0716 Coffee beans	0.05 (*)	CXL		(1995)	
VP	0526 Common bean (pods and/or immature seeds)	0.2	CXL		(1995)	
SO	0691 Cotton seed	0.1	CXL		(1995)	
VA	0385 Onion, Bulb	0.05 (*)	CXL		(1995)	
VP	0063 Peas (pods and succulent=immature seeds)	0.1	CXL		(1995)	
FP	0009 Pome fruits	0.2	CXL		(1995)	
VR	0589 Potato	0.05 (*)	CXL		(1995)	
VD	0541 Soya bean (dry)	0.05 (*)	CXL		(1995)	
FB	0275 Strawberry	0.05 (*)	CXL		(1995)	
VR	0596 Sugar beet	0.05 (*)	CXL		(1995)	

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**144 BITERTANOL**

Main Uses 5 FUNGICIDE

JMPR 83T, 84R, 86R, 87T, 88R, 89R, 91R, 98T', 99R'

ADI 0.01 mg/kg body weight (1988, confirmed 1998)

RESIDUE Bitertanol (fat-soluble).

Note The CCPR-33 decided to maintain the CXL for apricot for 1 year in order to consider the extrapolation from peaches to apricots and the CXLs for banana, cucumber, nectarine, peach, plums (including prunes), pome fruits (33.155).

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FS	0240 Apricot	1	CXL	99	(1993)33	Withdrawal recommended (1999 JMPR). Retained for one year to consider extrapolation from peaches (33.155). Confirmed (1999 JMPR)
FI	0327 Banana	0.5	CXL			
GC	0640 Barley	0.05 (*)	CXL		(2001)	
AS	0640 Barley straw and fodder,	0.05 (*)	CXL		(2001)	
FS	0013 Cherries	1	CXL		(2001)	
VC	0424 Cucumber	0.5	CXL		(1991)	Confirmed (1999 JMPR)
MO	0105 Edible offal (mammalian)	0.05 (*)	CXL		(2001)	
PE	0112 Eggs	0.01 (*)	CXL		(2001)	
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*) (fat)	CXL		(2001)	
ML	0106 Milks	0.05 (*)	CXL		(2001)	
FS	0245 Nectarine	1	CXL		(1993)	Confirmed (1999 JMPR)
AF	0647 Oat forage (green)	0.05 (*)	CXL		(2001)	
AS	0647 Oat straw and fodder, Dry	0.05 (*)	CXL		(2001)	
GC	0647 Oats	0.05 (*)	CXL		(2001)	
FS	0247 Peach	1	CXL		(1993)	Confirmed (1999 JMPR)
FS	0014 Plums (including prunes)	2	CXL		(1991)	Confirmed (1999 JMPR)
FP	0009 Pome fruits	2	CXL		(1991)	Confirmed (1999 JMPR)
PM	0110 Poultry meat	0.01 (*)	CXL		(2001)	
PO	0111 Poultry, Edible offal of	0.01 (*)	CXL		(2001)	
GC	0650 Rye	0.05 (*)	CXL		(2001)	
AF	0650 Rye forage (green)	0.05 (*)	CXL		(2001)	
AS	0650 Rye straw and fodder, Dry	0.05 (*)	CXL		(2001)	
VO	0448 Tomato	3	6	99	33	
GC	0653 Triticale	0.05 (*)	CXL		(2001)	

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AS	0653	Triticale straw and fodder, Dry	0.05	(*)	CXL	(2001)
GC	0654	Wheat	0.05	(*)	CXL	(2001)
AS	0654	Wheat straw and fodder,	0.05	(*)	CXL	(2001)



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**145 CARBOSULFAN**

Main Uses 8 INSECTICIDE  
JMPR 84, 86T, 91R, 93R, 97R  
ADI 0.01 mg/kg body weight (1986)  
RESIDUE Carbosulfan.

Note The 1999 JMPR concluded that a group MRL for citrus fruits could not be recommended since registered uses of carbosulfan were solely on oranges and mandarins.  
The CCPR-33 requested the Delegation of Spain to provide GAP information on citrus fruits to JMPR (33.158).

Commodity						
Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AB	0001 Citrus pulp, Dry	0.1	6	97	31, 32, 33	
FC	0206 Mandarin	0.1	6	99	33	
FC	0004 Oranges, Sweet, Sour	0.1	6	97	31, 32, 33	.

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**146 CYHALOTHRIN**

Main Uses 8 INSECTICIDE

JMPR 84, 86R, 88R

ADI 0.002 mg/kg body weight (TADI; 2000 by JECFA)

RESIDUE Cyhalothrin (sum of all isomers).

Note Previous ADI, 0.02 mg/kg body weight (1984)

The 54th JECFA (February 2000) reviewed cyhalothrin and recommended a number of MRLs arising from veterinary uses (residue definition: cyhalothrin). These proposals will be circulated for comments at Step 3.

The intake estimates, including both MRLs proposed by JECFA and the adopted Codex MRLs elaborated by the CCPR, did not exceed the ADI. The CCPR-32 noted that most of Codex MRLs resulted from the use of lambda-cyhalothrin and that cyhalothrin would not be supported for periodic review. (32.134-135)

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VB	0041 Cabbages, Head	0.2				CXL
SO	0691 Cotton seed	0.02 (*)				CXL
OC	0691 Cotton seed oil, Crude	0.02 (*)				CXL
OR	0691 Cotton seed oil, Edible	0.02 (*)				CXL
FP	0009 Pome fruits	0.2				CXL
VR	0589 Potato	0.02 (*)				CXL

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**147 METHOPRENE**

Main Uses 9 INSECT GROWTH REGULATOR

JMPR 84, 86R, 88R, 89R, 01T' (03R')

ADI 0.09 & 0.05 mg/kg body weight (2001; 0.09 mg/kg bw for the R,S racemate; 0.05 mg/kg bw for S-methoprene)

RESIDUE Methoprene (fat-soluble).

Note Previous ADI, 0.1 mg/kg bw (1987)

Commodit		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
ML	0812 Cattle milk	0.05	F	CXL			The MRL accommodates external animal treatment.
GC	0080 Cereal grains	5	Po	CXL			
MO	0105 Edible offal (mammalian)	0.1		CXL		(1991)	
PE	0112 Eggs	0.05		CXL		(1991)	
OR	0645 Maize oil, Edible	0.2	(*) PoP	CXL			
MM	0095 Meat (from mammals other than marine mammals)	0.2	(fat)	CXL		(1991)	The MRL accommodates external animal treatment.
VO	0450 Mushrooms	0.2		CXL			
SO	0697 Peanut	2		CXL		(1991)	
CM	0654 Wheat bran, Unprocessed	10	PoP	CXL			
CF	1211 Wheat flour	2	PoP	CXL			
CF	1212 Wheat wholemeal	5	PoP	CXL			

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**148 PROPAMOCARB**

Main Uses 5 FUNGICIDE

JMPR 84, 86, 87R (04T')(05R')

ADI 0.1 mg/kg body weight (1986)

RESIDUE Propamocarb (base).

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VR	0574 Beetroot	0.2	CXL			
VB	0402 Brussels sprouts	1	CXL			
VB	0041 Cabbages, Head	0.1	CXL			
VB	0404 Cauliflower	0.2	CXL			
VS	0624 Celery	0.2	CXL			
VC	0424 Cucumber	2	CXL			
VL	0482 Lettuce, Head	10	CXL			
VO	0445 Peppers, Sweet	1	CXL			
VR	0494 Radish	5	CXL			
FB	0275 Strawberry	0.1	CXL			
VO	0448 Tomato	1	CXL			

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**149 ETHOPROPHOS**

Main Uses 8 INSECTICIDE  
 JMPR 83T, 84R, 87T, 99T' (01R')  
 ADI 0.0004 mg/kg body weight (1999)

AcuteRfD 0.05

RESIDUE Ethoprophos.

Note Previous ADI, 0.0003 mg/kg bw (1987).

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FI	0327 Banana	0.02 (*)	CXL			
VR	0574 Beetroot	0.02 (*)	CXL			
VB	0041 Cabbages, Head	0.02 (*)	CXL			
VC	0424 Cucumber	0.02 (*)	CXL			
VC	0425 Gherkin	0.02 (*)	CXL			
FB	0269 Grapes	0.02 (*)	CXL			
VL	0482 Lettuce, Head	0.02 (*)	CXL			
GC	0645 Maize	0.02 (*)	CXL			
AS	0645 Maize fodder	0.02 (*)	CXL			
AF	0645 Maize forage	0.02 (*)	CXL			
VC	0046 Melons, except watermelon	0.02 (*)	CXL			
VA	0385 Onion, Bulb	0.02 (*)	CXL			
SO	0697 Peanut	0.02 (*)	CXL			
AL	0697 Peanut fodder	0.02 (*)	CXL			
VP	0063 Peas (pods and succulent=immature seeds)	0.02 (*)	CXL			
VO	0051 Peppers	0.02 (*)	CXL			
FI	0353 Pineapple	0.02 (*)	CXL			
AM	0353 Pineapple fodder	0.02 (*)	CXL			
AV	0353 Pineapple forage	0.02 (*)	CXL			
VR	0589 Potato	0.02 (*)	CXL			
VD	0541 Soya bean (dry)	0.02 (*)	CXL			
AL	0541 Soya bean fodder	0.02 (*)	CXL			
FB	0275 Strawberry	0.02 (*)	CXL			
GS	0659 Sugar cane	0.02 (*)	CXL			
AM	0659 Sugar cane fodder	0.02 (*)	CXL			

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AV	0659	Sugar cane forage	0.02	(*)	CXL
VR	0508	Sweet potato	0.02	(*)	CXL
VO	0448	Tomato	0.02	(*)	CXL
VR	0506	Turnip, Garden	0.02	(*)	CXL

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**151 DIMETHIPIN**

Main Uses 16 PLANT GROWTH REGULATOR

JMPR 85, 87, 88, 99T, 01R

ADI 0.02 mg/kg body weight (1988; confirmed 1999)

AcuteRfD 0.02

RESIDUE Dimethipin.

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
SO 0691	Cotton seed	0.5	CXL			
SO 0691	Cotton seed	1	3(a)	01		
OC 0691	Cotton seed oil, Crude	0.1	CXL			Confirmed (2001 JMPR)
OR 0691	Cotton seed oil, Edible	0.02 (*)	CXL			
OR 0691	Cotton seed oil, Edible	0.1	3(a)	01		
MO 0105	Edible offal (mammalian)	0.02 (*)	CXL			
MO 0105	Edible offal (mammalian)	0.01 (*)	3(a)	01		
PE 0112	Eggs	0.02 (*)	CXL			
PE 0112	Eggs	0.01 (*)	3(a)	01		
SO 0693	Linseed	0.2	CXL	01		Withdrawal recommended (2001 JMPR)
MM 0095	Meat (from mammals other than marine mammals)	0.02 (*)	CXL			
MM 0095	Meat (from mammals other than marine mammals)	0.01 (*)	3(a)	01		
ML 0106	Milks	0.02 (*)	CXL			
ML 0106	Milks	0.01 (*)	3(a)	01		
VR 0589	Potato	0.05 (*)	CXL			Confirmed (2001 JMPR)
PM 0110	Poultry meat	0.02 (*)	CXL			
PM 0110	Poultry meat	0.01 (*)	3(a)	01		
PO 0111	Poultry, Edible offal of	0.02 (*)	CXL			
PO 0111	Poultry, Edible offal of	0.01 (*)	3(a)	01		
SO 0495	Rape seed	0.1	CXL			
SO 0495	Rape seed	0.2	3(a)	01		
SO 0702	Sunflower seed	0.5	CXL			
SO 0702	Sunflower seed	1	3(a)	01		
OC 0702	Sunflower seed oil, Crude	0.1	CXL	01		Withdrawal recommended (2001 JMPR)
OR 0702	Sunflower seed oil, Edible	0.02 (*)	CXL	01		Withdrawal recommended (2001 JMPR)

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**152 FLUCYTHRINATE**

Main Uses 8 INSECTICIDE

JMPR 85, 87R, 88R, 89R, 90R, 93R

ADI 0.02 mg/kg body weight (1985)

RESIDUE Flucythrinate (fat-soluble).

Note The CAC-24 revoked the existing CXLs.

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
------	------	-------------	------	------	------	------

@@ 0000 No MRL



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**153 PYRAZOPHOS**

Main Uses 5 FUNGICIDE

JMPR 85, 87R, 92, 93R

ADI 0.004 mg/kg body weight (1992)

RESIDUE Pyrazophos.

Note The CAC-24 revoked the existing CXLs.

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
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@@ 0000 No MRL

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**154 THIODICARB**

Main Uses 8 INSECTICIDE

JMPR 85, 86T, 87R, 88R, 00T', 01R'

ADI 0.03 mg/kg body weight (1986; confirmed 2000)

AcuteRfD 0.04

RESIDUE Sum of thiodicarb and methomyl, expressed as methomyl.

See (94) methomyl.

Note The CCPR had decided on combined list for thiodicarb and methomyl.

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
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@@ 0001 See related compound(s)

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155 BENALAXYL

Main Uses 5 FUNGICIDE

JMPR 86R, 87T, 88R, 92R, 93R

ADI 0.05 mg/kg body weight (1987)

RESIDUE Benalaxyl.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VC	0424 Cucumber	0.05	CXL			
FB	0269 Grapes	0.2	CXL		(1991)	
DH	1100 Hops, Dry	0.2	CXL		(1991)	
VC	0046 Melons, except watermelon	0.1	CXL			
VA	0385 Onion, Bulb	0.2	CXL			
VO	0445 Peppers, Sweet	0.05	CXL		(1991)	
VR	0589 Potato	0.02 (*)	CXL		(1995)	
VO	0448 Tomato	0.5	CXL		(1991)	

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156 CLOFENTEZINE

Main Uses 1 ACARICIDE

JMPR 86, 87R, 89R, 90R, 92R (04')

ADI 0.02 mg/kg body weight (1986)

RESIDUE Plant commodities: Clofentezine.

Animal commodities: Sum of all compounds containing the 2-chlorobenzoyl moiety, expressed as clofentezine.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
MM	0812 Cattle meat	0.05 (*)	CXL			
ML	0812 Cattle milk	0.01 (*)	CXL			
MO	0812 Cattle, Edible offal of	0.1	CXL			
FC	0001 Citrus fruits	0.5	CXL		(1995)	
VC	0424 Cucumber	1	CXL		(1991)	
FB	0021 Currants, Black, Red, White	0.05	CXL		(1993)	
PE	0112 Eggs	0.05 (*)	CXL			
FB	0269 Grapes	1	CXL		(1995)	
FP	0009 Pome fruits	0.5	CXL			
PM	0110 Poultry meat	0.05 (*)	CXL			
PO	0111 Poultry, Edible offal of	0.05 (*)	CXL			
FS	0012 Stone fruits	0.2	CXL			
FB	0275 Strawberry	2	CXL			

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**157 CYFLUTHRIN**

Main Uses 8 INSECTICIDE

JMPR 86R, 87T, 89R, 90R, 92R

ADI 0.02 mg/kg body weight (1987; confirmed by JECFA in 1997)

RESIDUE Cyfluthrin (fat-soluble).

Note The 47th JECFA reviewed cyfluthrin and proposed a number of MRLs arising from veterinary uses on cattle. The 23rd CAC adopted them at Step 5 and advanced them to Step 6. The CCRVDF-13 (2001) advanced them to Step 8.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	0.5	CXL		(1995)	
ML	0812 Cattle milk	0.01 F	CXL		(1995)	The MRL accommodates external animal treatment. The CCPR-31 agreed to support the MRL for milk (0.04 mg/kg - whole milk basis), which was being considered by the CCRVDF, for the sake of harmonization (31.96).
SO	0691 Cotton seed	0.05	CXL		(1995)	
GC	0645 Maize	0.05	CXL		(1995)	
VO	0445 Peppers, Sweet	0.2	CXL		(1995)	
SO	0495 Rape seed	0.05	CXL		(1995)	
VO	0448 Tomato	0.5	CXL		(1995)	

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**158 GLYPHOSATE**

Main Uses 7 HERBICIDE

JMPR 86, 88R, 94R, 97 (03')

ADI 0.3 mg/kg body weight (1986; confirmed in 1997 for sum of glyphosate and aminoethylphosphonic acid)

RESIDUE Glyphosate.

Note See also (198) aminomethylphosphonic acid (AMPA).

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
GC	0640 Barley	20	CXL			
VD	0071 Beans (dry)	2	CXL			
MM	0812 Cattle meat	0.1 (*)	CXL			
ML	0812 Cattle milk	0.1 (*)	CXL			
MO	0812 Cattle, Edible offal of	2	CXL			
SO	0691 Cotton seed	10	CXL		(1999)	
OC	0691 Cotton seed oil, Crude	0.05 (*)	CXL		(1999)	
OR	0691 Cotton seed oil, Edible	0.05 (*)	CXL		(1999)	
PE	0112 Eggs	0.1 (*)	CXL			
AS	0162 Hay or fodder (dry) of grasses	50	CXL			
FI	0341 Kiwifruit	0.1 (*)	CXL			
GC	0645 Maize	1	CXL		(1999)	
AF	0645 Maize forage	1	CXL		(1999)	
GC	0647 Oats	20	CXL			
VD	0072 Peas (dry)	5	CXL			
MM	0818 Pig meat	0.1 (*)	CXL			
MO	0818 Pig, Edible offal of	1	CXL			
PM	0110 Poultry meat	0.1 (*)	CXL			
SO	0495 Rape seed	10	CXL			
GC	0649 Rice	0.1 (*)	CXL			
GC	0651 Sorghum	20	CXL		(1999)	
VD	0541 Soya bean (dry)	20	CXL		(1997)	
VP	0541 Soya bean (immature seeds)	0.2	CXL			
AL	0541 Soya bean fodder	200	CXL		(1997)	
AL	1265 Soya bean forage (green)	5	CXL		(1991)	

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AS	0081	Straw and fodder (dry) of cereal grains	100		CXL	
VO	0447	Sweet corn (corn-on-the-cob)	0.1	(*)	CXL	
GC	0654	Wheat	5		CXL	
CM	0654	Wheat bran, Unprocessed	20		CXL	(1995)
CF	1211	Wheat flour	0.5		CXL	(1991)
CF	1212	Wheat wholemeal	5		CXL	(1991)

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**159 VINCLOZOLIN**

Main Uses 5 FUNGICIDE

JMPR 86, 88, 89R, 90R, 92R, 95T

ADI 0.01 mg/kg body weight (1995)

RESIDUE Sum of vinclozolin and all metabolites containing the 3,5-dichloroaniline moiety, expressed as vinclozolin.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FB	0264 Blackberries	5	CXL			
FB	0020 Blueberries	5	CXL		(1991)	
VB	0041 Cabbages, Head	1	CXL			
MM	0812 Cattle meat	0.05 (*)	CXL			
ML	0812 Cattle milk	0.05 (*)	CXL			
VB	0404 Cauliflower	1	CXL			
FS	0013 Cherries	5 Po	CXL			
PE	0840 Chicken eggs	0.05 (*)	CXL			
PM	0840 Chicken meat	0.05 (*)	CXL			
VR	0469 Chicory, roots	5	CXL			
VP	0526 Common bean (pods and/or immature seeds)	2	CXL			
VC	0424 Cucumber	1	CXL			
FB	0021 Currants, Black, Red, White	5	CXL			
FB	0266 Dewberries (including boysenberry and loganberry)	5	CXL			
VP	0529 Garden pea, Shelled	1	CXL			
VC	0425 Gherkin	1	CXL			
FB	0268 Gooseberry	5	CXL			
FB	0269 Grapes	5	CXL			
DH	1100 Hops, Dry	40	CXL		(1991)	
FI	0341 Kiwifruit	10	CXL			
VL	0482 Lettuce, Head	5	CXL		(1995)	
VC	0046 Melons, except watermelon	1	CXL			
VA	0385 Onion, Bulb	1	CXL			
FS	0247 Peach	5 Po	CXL			
VO	0445 Peppers, Sweet	3	CXL		(1991)	



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FP	0009	Pome fruits	1	CXL	
VR	0589	Potato	0.1	CXL	
SO	0495	Rape seed	1	CXL	(1991)
FB	0272	Raspberries, Red, Black	5	CXL	
FB	0275	Strawberry	10	CXL	
VO	0448	Tomato	3	CXL	
VS	0469	Witloof chicory (sprouts)	2	CXL	

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**160 PROPICONAZOLE**

Main Uses 5 FUNGICIDE

JMPR 87, 91R, 94R

ADI 0.04 mg/kg body weight (1987)

RESIDUE Propiconazole.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
TN	0660 Almonds	0.05	CXL		(1991)	
FI	0327 Banana	0.1	CXL		(1991)	
GC	0640 Barley	0.05	CXL		(1997)	
SB	0716 Coffee beans	0.1	CXL		(1991)	
MO	0105 Edible offal (mammalian)	0.05	CXL		(1991)	
PE	0112 Eggs	0.05 (*)	CXL		(1991)	
FB	0269 Grapes	0.5	CXL		(1991)	
FI	0345 Mango	0.05	CXL		(1991)	
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	CXL		(1991)	
ML	0106 Milks	0.01 (*)	CXL		(1991)	
GC	0647 Oats	0.05 (*)	CXL		(1993)	
SO	0697 Peanut	0.05	CXL		(1991)	
SO	0703 Peanut, Whole	0.1	CXL			
TN	0672 Pecan	0.05	CXL		(1991)	
PM	0110 Poultry meat	0.05 (*)	CXL		(1991)	
SO	0495 Rape seed	0.05	CXL		(1991)	
GC	0650 Rye	0.05 (*)	CXL		(1993)	
FS	0012 Stone fruits	1	CXL		(1991)	
VR	0596 Sugar beet	0.05	CXL		(1991)	
AV	0596 Sugar beet leaves or tops	0.5	CXL		(1997)	
GS	0659 Sugar cane	0.05	CXL		(1991)	
GC	0654 Wheat	0.05 (*)	CXL		(1993)	

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**161 PACLOBUTRAZOL**

Main Uses 16 PLANT GROWTH REGULATOR

JMPR 88, 89R

ADI 0.1 mg/kg body weight (1988)

RESIDUE Paclobutrazol.

Note The CCPR-33 noted that support had not been confirmed (33.163).

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	0.5	CXL		(1991)	
FS	0012 Stone fruits	0.05	CXL		(1991)	

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**162 TOLYLFLUANID**

Main Uses 5 FUNGICIDE

JMPR 88, 90R (02T')(03R')

ADI 0.1 mg/kg body weight (1988)

RESIDUE Tolyfluanid.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FB	0021 Currants, Black, Red, White	5	CXL		(1991)	
VC	0425 Gherkin	2	CXL		(1991)	
VL	0482 Lettuce, Head	1	CXL		(1991)	
FP	0009 Pome fruits	5	CXL		(1991)	
FB	0275 Strawberry	3	CXL		(1991)	
VO	0448 Tomato	2	CXL		(1991)	

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**163 ANILAZINE**

Main Uses 5 FUNGICIDE

JMPR 89, 92R

ADI 0.1 mg/kg body weight (1989)

RESIDUE Anilazine.

Note The CCPR-34 would consider revocation of all CXLs as this compound would not be supported (33.164).

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
GC	0640 Barley	0.2	CXL		(1993)	
AS	0640 Barley straw and fodder,	10	CXL		(1995)	
MM	0812 Cattle meat	0.02 (*)	CXL		(1995)	
MO	0812 Cattle, Edible offal of	0.02 (*)	CXL		(1995)	
VS	0624 Celery	10	CXL		(1995)	
PE	0112 Eggs	0.02 (*)	CXL		(1995)	
MM	0814 Goat meat	0.02 (*)	CXL		(1995)	
MO	0814 Goat, Edible offal of	0.02 (*)	CXL		(1995)	
ML	0106 Milks	0.01 (*)	CXL		(1995)	
PM	0110 Poultry meat	0.02 (*)	CXL		(1995)	
PO	0111 Poultry, Edible offal of	0.02 (*)	CXL		(1995)	
VO	0448 Tomato	10	CXL		(1995)	
GC	0654 Wheat	0.1	CXL		(1993)	
AS	0654 Wheat straw and fodder,	10	CXL		(1995)	

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**164 DEMETON-S-METHYLSULPHON**

Main Uses 8 INSECTICIDE

JMPR 73, 82T, 84, 89, 92R

ADI 0.0003 mg/kg body weight (1989)

RESIDUE Sum of oxydemeton-methyl, demeton-S-methyl and demeton-S-methylsulphon expressed as oxydemeton-methyl.

ADI for the sum of these three compounds. See (166) oxydemeton-methyl.

Commodit						
Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note

@@ 0001 See related compound(s)

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**165 FLUSILAZOLE**

Main Uses 5 FUNGICIDE

JMPR 89, 90R, 91R, 93R, 95T

ADI 0.001 mg/kg body weight (1989; confirmed 1995)

RESIDUE Flusilazole.

Note The CCPR-33 noted the request for supportive data and decided to consider this compound again at its 34th session (33.165).

Commodit							
Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FS	0240	Apricot	0.5				
				CXL		(1997)	
FI	0327	Banana	0.1				
				CXL		(1993)	
GC	0640	Barley	0.1				
				CXL		(1993)	
AS	0640	Barley straw and fodder,	2				
				CXL		(1993)	
MF	0812	Cattle fat	0.01	(*)			
				CXL		(1993)	
MM	0812	Cattle meat	0.01	(*)			
				CXL		(1993)	
ML	0812	Cattle milk	0.01	(*)			
				CXL		(1993)	
MO	0812	Cattle, Edible offal of	0.02	(*)			
				CXL		(1993)	
PE	0840	Chicken eggs	0.01	(*)			
				CXL		(1993)	
PM	0840	Chicken meat	0.01	(*)			
				CXL		(1993)	
PO	0840	Chicken, Edible offal of	0.01	(*)			
				CXL		(1993)	
DF	0269	Dried grapes (=currants, raisins and sultanas)	1				
				CXL		(1993)	
FB	0269	Grapes	0.5				
				CXL		(1993)	
FS	0245	Nectarine	0.5				
				CXL		(1995)	
FS	0247	Peach	0.5				
				CXL		(1995)	
FP	0009	Pome fruits	0.2				
				CXL		(1993)	
SO	0495	Rape seed	0.05				
				CXL		(1993)	
GC	0650	Rye	0.1				
				CXL		(1993)	
AS	0650	Rye straw and fodder, Dry	2				
				CXL		(1993)	
VR	0596	Sugar beet	0.01	(*)			
				CXL		(1993)	
GC	0654	Wheat	0.1				
				CXL		(1993)	
AS	0654	Wheat straw and fodder,	2				
				CXL		(1993)	

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**166 OXYDEMETON-METHYL**

Main Uses 8 INSECTICIDE

JMPR 89, 92R, 98R<sup>1</sup>

ADI 0.0003 mg/kg body weight (1989; for demeton-S-methyl and related compounds, alone or in combination)

RESIDUE Sum of oxydemeton-methyl, demeton-S-methyl and demeton-S-methylsulphon expressed as oxydemeton-methyl.

The residue definition and MRLs are based on the use of oxydemeton-methyl only.

Note No data were supplied to the 1998 JMPR for the use of demeton-S-methyl or demeton-S-methylsulphon. The residues will be the sum of oxydemeton-methyl and demeton-S-methylsulphon. Any inadvertent demeton-S-methyl would also be included.

The 31st CCPR requested the JMPR to clarify whether demeton-S-methyl and demeton-S-methylsulphon should remain in the residue definition (31.98).

The 1999 JMPR concluded that if demeton-S-methyl was no longer supported its residues should no longer contribute to the total demeton-S-methylsulphon. However, its exclusion from the defined residues could lead to difficulties in enforcement situations where the misuse of demeton-S-methyl might have occurred.

The CCPR-32 requested detailed information on support for oxydemeton-methyl. After an extensive exchange of views on the residue definition the CCPR-32 agreed as a compromise solution to maintain the residue definition and to clarify that the residue definition and MRLs applied only to residues resulting from the use of oxydemeton-methyl by amending the note to the residue definition (32.139-140).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	0.05	6	73, 84, 92, 98	32, 33	Changed from 1 mg/kg O DS (1998 JMPR).
GC 0640	Barley	0.05 (*)	6	73, 84, 92, 98	32, 33	Changed from 0.2 mg/kg O (1998 JMPR).
AS 0640	Barley straw and fodder,	2	6	98	32	
VB 0041	Cabbages, Head	0.05 (*)	6	84, 92, 98	32, 33	Changed from 1 mg/kg O (1998 JMPR).
MF 0812	Cattle fat	0.05 (*)	6	73, 92, 98	32, 33	Confirmed (1998 JMPR).
VD 0526	Common bean (dry)	0.1	6	98	32	
SO 0691	Cotton seed	0.05	6	73, 92, 98	32, 33	Confirmed (1998 JMPR).
PE 0112	Eggs	0.05 (*)	6	73, 92, 98	32, 33	Confirmed (1998 JMPR).
FB 0269	Grapes	0.1	6	73, 84, 92, 98	32, 33	Changed from 0.5 mg/kg O (1998 JMPR).
VL 0480	Kale	0.01 (*)	6	84, 92, 98	32, 33	Changed from 0.05 mg/kg (1998 JMPR).
VB 0405	Kohlrabi	0.05	6	84, 92, 98	32, 33	Changed from 0.01 mg/kg (*) O (1998 JMPR).
FC 0204	Lemon	0.2	6	73, 92, 98	32, 33	Changed from 1 mg/kg O (1998 JMPR).
MM 0097	Meat of cattle, pigs &	0.05 (*)	6	73, 92, 98	32, 33	Confirmed (1998 JMPR).
ML 0106	Milks	0.01 (*)	6	73, 92, 98	32, 33	Confirmed (1998 JMPR).
FC 0004	Oranges, Sweet, Sour	0.2	6	73, 92, 98	32, 33	Changed from 0.5 mg/kg O (1998 JMPR).
FP 0230	Pear	0.05	6	73, 84, 92, 98	32, 33	Changed from 0.5 mg/kg O DS (1998 JMPR).
MF 0818	Pig fat	0.05 (*)	6	73, 92, 98	32, 33	Confirmed (1998 JMPR).
VR 0589	Potato	0.05 (*)	6	73, 84, 92, 98	32, 33	Changed from 0.2 mg/kg O (1998 JMPR).
PF 0111	Poultry fats	0.05 (*)	6	73, 92, 98	32, 33	Confirmed (1998 JMPR).
PM 0110	Poultry meat	0.05 (*)	6	73, 92, 98	32, 33	Confirmed (1998 JMPR).
GC 0650	Rye	0.05 (*)	6	98	32	



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AS	0650	Rye straw and fodder, Dry	2		6	98	32	
MF	0822	Sheep fat	0.05	(*)	6	73, 92, 98	32, 33	Confirmed (1998 JMPR).
VR	0596	Sugar beet	0.05	(*)	6	73, 84, 92, 98	32, 33	Confirmed (1998 JMPR).
AV	0596	Sugar beet leaves or tops	0.05	(*)	6	73, 79, 84, 92, 98	32, 33	Changed from 0.5 mg/kg O (1998 JMPR).
GC	0654	Wheat	0.05	(*)	6	73, 84, 92, 98	32, 33	Changed from 0.2 mg/kg O (1998 JMPR).
AS	0654	Wheat straw and fodder,	2		6	98	32	

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**167 TERBUFOS**

Main Uses 14 NEMATICIDE

JMPR 89, 90

ADI 0.0002 mg/kg body weight (1989)

RESIDUE Sum of terbufos, its oxygen analogue and their sulphoxides and sulphones, expressed as terbufos.

Note The CCPR-34 would consider revocation of CXLs for barley and for straw and fodder (dry) of cereal grains as these uses were no longer supported (33.167).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FI	0327 Banana	0.05	CXL		(1991)	
GC	0640 Barley	0.01 (*)	CXL		(1991)	
VB	0400 Broccoli	0.05 (*)	CXL		(1993)	
VB	0041 Cabbages, Head	0.05 (*)	CXL		(1993)	
MM	0812 Cattle meat	0.05 (*)	CXL		(1993)	
ML	0812 Cattle milk	0.01 (*)	CXL		(1991)	
MO	0812 Cattle, Edible offal of	0.05 (*)	CXL		(1993)	
PM	0840 Chicken meat	0.05 (*)	CXL		(1993)	
PO	0840 Chicken, Edible offal of	0.05 (*)	CXL		(1993)	
SB	0716 Coffee beans	0.05 (*)	CXL		(1993)	
PE	0112 Eggs	0.01 (*)	CXL		(1991)	
AV	1051 Fodder beet leaves or tops	1	CXL		(1991)	
GC	0645 Maize	0.01 (*)	CXL		(1991)	
AF	0645 Maize forage	1	CXL		(1991)	
SO	0485 Mustard seed	0.05 (*)	CXL		(1993)	
VA	0385 Onion, Bulb	0.05 (*)	CXL		(1993)	
SO	0697 Peanut	0.05 (*)	CXL		(1993)	
AL	0697 Peanut fodder	1	CXL		(1993)	
AL	1270 Peanut forage (green)	1	CXL		(1993)	
GC	0656 Popcorn	0.01 (*)	CXL		(1991)	
SO	0495 Rape seed	0.05 (*)	CXL		(1993)	
OC	0495 Rape seed oil, Crude	0.05 (*)	CXL		(1993)	
VD	0541 Soya bean (dry)	0.05 (*)	CXL		(1993)	
AS	0081 Straw and fodder (dry) of cereal grains	1	CXL		(1993)	
VR	0596 Sugar beet	0.1	CXL		(1993)	

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VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	CXL	(1993)
GC	0654	Wheat	0.01	(*)	CXL	(1991)

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**168 TRIADIMENOL**

Main Uses 5 FUNGICIDE

JMPR 89, 92R, 95R (03T')(04R')

ADI 0.05 mg/kg body weight (1989)

RESIDUE Triadimenol.

The limits accommodate triadimenol residues resulting from the use of triadimefon and/or triadimenol.

Note Source of data resulting from the uses of: TF=triadimefon; TN=triadimenol.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VS	0620 Artichoke globe	1	TF TN	CXL	(1997)	Source of data: triadimefon, triadimenol
FI	0327 Banana	0.2	TN	CXL	(1997)	Source of data: triadimenol
GC	0640 Barley	0.5	TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
AS	0640 Barley straw and fodder,	5	TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
VD	0524 Chick-pea (dry)	0.05 (*)	TF	CXL	(1997)	Source of data: triadimefon
SB	0716 Coffee beans	0.1 (*)	TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
FB	0021 Currants, Black, Red, White	0.5	TF	CXL	(1997)	Source of data: triadimefon
PE	0112 Eggs	0.05 (*)	TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
AM	1051 Fodder beet	0.05 (*)	TF	CXL	(1997)	Source of data: triadimefon
AV	1051 Fodder beet leaves or tops	0.2	TF	CXL	(1997)	Source of data: triadimefon
VC	0045 Fruiting vegetables, Cucurbits	2	TF TN	CXL	(1997)	Source of data: triadimefon, triadimenol
FB	0269 Grapes	2	TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
DH	1100 Hops, Dry	5	TF	CXL	(1997)	Source of data: triadimefon
FI	0345 Mango	0.05 (*)	TF	CXL	(1997)	Source of data: triadimefon
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
ML	0106 Milks	0.01 (*)	TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
AS	0647 Oat straw and fodder, Dry	5	TF TN	CXL	(1997)	Source of data: triadimefon, triadimenol
GC	0647 Oats	0.2	TF TN	CXL	(1997)	Source of data: triadimefon, triadimenol
VA	0387 Onion, Welsh	0.05 (*)	TF TN	CXL	(1997)	Source of data: triadimefon, triadimenol
VP	0063 Peas (pods and succulent=immature seeds)	0.1	TF	CXL	(1997)	Source of data: triadimefon
VO	0445 Peppers, Sweet	0.1	TF	CXL	(1997)	Source of data: triadimefon
FI	0353 Pineapple	1 Po	TF	CXL	(1997)	Source of data: triadimefon
FP	0009 Pome fruits	0.5	TF TN	CXL	(1997)	Source of data: triadimefon, triadimenol
PM	0110 Poultry meat	0.05 (*)	TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol

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FB	0272	Raspberries, Red, Black	0.5		TF	CXL	(1997)	Source of data: triadimefon
GC	0650	Rye	0.2		TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
AS	0650	Rye straw and fodder, Dry	5		TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
VA	0389	Spring onion	0.05	(*)	TF	CXL	(1997)	Source of data: triadimefon
FB	0275	Strawberry	0.1		TF	CXL	(1997)	Source of data: triadimefon
VR	0596	Sugar beet	0.1	(*)	TF TN	CXL	(1997)	Source of data: triadimefon, triadimenol
AV	0596	Sugar beet leaves or tops	1		TF TN	CXL	(1997)	Source of data: triadimefon, triadimenol
VO	0448	Tomato	0.5		TF	CXL	(1997)	Source of data: triadimefon
GC	0654	Wheat	0.2		TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
AS	0654	Wheat straw and fodder,	5		TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol

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**169 CYROMAZINE**

Main Uses 8 INSECTICIDE

JMPR 90, 92R

ADI 0.02 mg/kg body weight (1990)

RESIDUE Cyromazine.

Note 1992 JMPR decided to maintain the definition of residue established in 1990, not including melamine in the residue definition.

Commodit						
Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VS	0624 Celery	5	CXL		(1993)	
VC	0424 Cucumber	0.2	CXL		(1993)	
PE	0112 Eggs	0.2	CXL		(1993)	The MRL accommodates external animal treatment.
VL	0482 Lettuce, Head	5	CXL		(1993)	
VC	0046 Melons, except watermelon	0.2	CXL		(1993)	
ML	0106 Milks	0.01 (*)	CXL		(1993)	The MRL accommodates external animal treatment.
VO	0450 Mushrooms	5	CXL		(1993)	
VO	0051 Peppers	1	CXL		(1995)	
PM	0110 Poultry meat	0.05 (*)	CXL		(1993)	The MRL accommodates external animal treatment.
MM	0822 Sheep meat	0.05 (*)	CXL		(1993)	The MRL accommodates external animal treatment.
VO	0448 Tomato	0.5	CXL		(1993)	

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**170 HEXACONAZOLE**

Main Uses 5 FUNGICIDE

JMPR 90, 93R

ADI 0.005 mg/kg body weight (1990)

RESIDUE Hexaconazole.

Note The CCPR-33 noted the request for supportive data and decided to consider this compound again at its next session (33.168).

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	0.1	CXL		(1993)	
FI	0327 Banana	0.1	CXL		(1993)	
SB	0716 Coffee beans	0.05 (*)	CXL		(1993)	
FB	0269 Grapes	0.1	CXL		(1993)	
GC	0654 Wheat	0.1	CXL		(1995)	
AS	0654 Wheat straw and fodder,	0.5	CXL		(1995)	

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**171 PROFENOFOS**

Main Uses 8 INSECTICIDE  
 JMPR 90, 92R, 94R, 95R  
 ADI 0.01 mg/kg body weight (1990)

RESIDUE Profenofos.

Note The CCPR-34 would consider revocation of CXLs for Brussel sprouts; cabbages, head; cauliflower; common bean (pods and/or immature seeds); oranges, sweet, sour; soya bean (dry); soya bean oil, refined; sugar beet due to the lack of supportive data. (33.169)

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VB	0402 Brussels sprouts	0.5	CXL		(1997)	
VB	0041 Cabbages, Head	1	CXL		(1997)	
VB	0404 Cauliflower	0.5	CXL		(1997)	
VP	0526 Common bean (pods and/or immature seeds)	0.1	CXL		(1997)	
SO	0691 Cotton seed	2	CXL		(1997)	
OR	0691 Cotton seed oil, Edible	0.05 (*)	CXL		(1997)	
PE	0112 Eggs	0.02 (*)	CXL		(1995)	
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	CXL		(1997)	
ML	0106 Milks	0.01 (*)	CXL		(1995)	
FC	0004 Oranges, Sweet, Sour	1	CXL		(1997)	
VO	0444 Peppers, Chili	5	CXL		(1997)	
VO	0445 Peppers, Sweet	0.5	CXL		(1997)	
VR	0589 Potato	0.05 (*)	CXL		(1995)	
VD	0541 Soya bean (dry)	0.05 (*)	CXL		(1995)	
OR	0541 Soya bean oil, Refined	0.05 (*)	CXL		(1995)	
VR	0596 Sugar beet	0.05 (*)	CXL		(1995)	
VO	0448 Tomato	2	CXL		(1995)	



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**172 BENTAZONE**

Main Uses 7 HERBICIDE

JMPR 91, 94R, 95R, 98, 99

ADI 0.1 mg/kg body weight (1991, confirmed 1998)

RESIDUE Plant commodities: Sum of bentazone, 6-hydroxybentazone and 8-hydroxybentazone expressed as bentazone.

Animal commodities: Bentazone.

Note The 29th CCPR requested the JMPR to consider revising the residue definition for plant commodities (29.71).

Noting that existing and proposed MRLs are based on the sum of bentazone and its hydroxy metabolites, the 1998 JMPR agreed that it was necessary to review all the studies on metabolism before taking a decision and recommended that residue definition should be considered at the next periodic review.

Commodity Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL 1021	Alfalfa forage (green)	2	CXL		(1997)	
GC 0640	Barley	0.1	CXL		(1997)	
VD 0071	Beans (dry)	0.05 (*)	CXL		(1997)	
VD 0523	Broad bean (dry)	0.05 (*)	CXL		(1997)	
VP 0526	Common bean (pods and/or immature seeds)	0.2	CXL		(1997)	
PE 0112	Eggs	0.05 (*)	CXL		(1997)	
VD 0561	Field pea (dry)	1	CXL		(1997)	
VP 0528	Garden pea (young pods)	0.2	CXL		(1995)	
VP 0534	Lima bean (young pods and/or immature beans)	0.05	CXL		(1995)	
SO 0693	Linseed	0.1	CXL		(1995)	
GC 0645	Maize	0.2	CXL		(1997)	
AS 0645	Maize fodder	0.2	CXL		(1997)	
MM 0095	Meat (from mammals other than marine mammals)	0.05 (*)	CXL		(1997)	
ML 0106	Milks	0.05 (*)	CXL		(1997)	
GC 0647	Oats	0.1	CXL		(1997)	
VA 0385	Onion, Bulb	0.1	CXL		(1995)	
SO 0697	Peanut	0.05	CXL		(1995)	
VR 0589	Potato	0.1	CXL		(1997)	
GC 0649	Rice	0.1	CXL		(1997)	
GC 0650	Rye	0.1	CXL		(1997)	
GC 0651	Sorghum	0.1	CXL		(1997)	
VD 0541	Soya bean (dry)	0.05 (*)	CXL		(1995)	

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GC 0654 Wheat

0.1

CXL

(1997)

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**173 BUPROFEZIN**

Main Uses 8 INSECTICIDE

JMPR 91, 95R, 99TR

ADI 0.01 mg/kg body weight (1991)

RESIDUE Buprofezin (fat-soluble).

Commodit						
Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VC	0424 Cucumber	1	CXL		(1997)	
FC	0004 Oranges, Sweet, Sour	0.5	CXL		(2001)	
VO	0448 Tomato	1	CXL		(1997)	

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**174 CADUSAFOS**

Main Uses 8 INSECTICIDE

JMPR 91, 92R

ADI 0.0003 mg/kg body weight (1991)

RESIDUE Cadusafos.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FI	0327 Banana	0.01 (*)	CXL		(1995)	1992 JMPR noted that cadusafos was recovered quantitatively from bananas at fortification levels of 0.05 and 0.25 mg/kg.
VR	0589 Potato	0.02	CXL		(1995)	

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**175 GLUFOSINATE-AMMONIUM**

Main Uses 7 HERBICIDE

JMPR 91, 94R, 98R, 99R

ADI 0.02 mg/kg body weight (1999; for glufosinate-ammonium, 3-[hydroxy(methyl)phosphinoyl]propionic acid and N-acetyl-glufosinate, alone or in combination)

RESIDUE Sum of glufosinate-ammonium, 3-[hydroxy(methyl)phosphinoyl]propionic acid and N-acetyl-glufosinate, calculated as glufosinate (free acid).

Note Previous ADI, 0.02 mg/kg bw for glufosinate-ammonium (1991).

Residue definition changed by the 1999 JMPR.

Code	Commodit Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AM	0660 Almond hulls	0.5	6	98	32	Awaiting the follow-up of the discussion on the policy regarding the residue definitions for genetically modified crops (32.141)
VS	0621 Asparagus	0.05 (*)	CXL		(1997)	
FI	0030 Assorted tropical and sub-tropical fruits - inedible	0.05 (*)	6	98	32	Except banana. Awaiting the follow-up of the discussion on the policy regarding the residue definitions for genetically modified crops (32.141)
FI	0327 Banana	0.2	CXL		(1997)	
FB	0018 Berries and other small	0.1	CXL		(1997)	Except currants.
VD	0523 Broad bean (dry)	2	CXL		(1997)	
VR	0577 Carrot	0.05 (*)	CXL		(1997)	
FC	0001 Citrus fruits	0.1	CXL		(1997)	
VD	0526 Common bean (dry)	2	CXL		(1997)	
VP	0526 Common bean (pods and/or immature seeds)	0.05 (*)	CXL		(1997)	
VL	0470 Corn salad	0.05 (*)	CXL		(1997)	
FB	0021 Currants, Black, Red, White	0.5	CXL		(1997)	
MO	0105 Edible offal (mammalian)	0.1 (*)	6	99	33	
PE	0112 Eggs	0.05 (*)	6	99	33	
FI	0341 Kiwifruit	0.05 (*)	CXL	98	(1997)	To be replaced by the MRL for assorted tropical and sub-tropical fruits - inedible peel (1998 JMPR).
GC	0645 Maize	0.1	CXL		(1997)	
AS	0645 Maize fodder	10 (*)	6	99	33	
AF	0645 Maize forage	0.2	CXL		(1997)	
AF	0645 Maize forage	5	6(a)	99	33	
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	6	99	33	
ML	0106 Milks	0.02 (*)	6	99	33	

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VA	0385	Onion, Bulb	0.05		CXL		(1997)
VD	0072	Peas (dry)	3		CXL		(1997)
FP	0009	Pome fruits	0.05	(*)	CXL		(1997)
VR	0589	Potato	0.5		CXL		(1997)
PM	0110	Poultry meat	0.05	(*)	6	99	33
PO	0111	Poultry, Edible offal of	0.1	(*)	6	99	33
SO	0495	Rape seed	5		CXL		(1997)
OC	0495	Rape seed oil, Crude	0.05	(*)	CXL		(1997)
VD	0541	Soya bean (dry)	0.1		CXL		(1997)
VD	0541	Soya bean (dry)	2		6(a)	99	33
FS	0012	Stone fruits	0.05	(*)	CXL		(1997)
VR	0596	Sugar beet	0.05	(*)	CXL		(1997)
AV	0596	Sugar beet leaves or tops	0.1		CXL		(1997)
SO	0702	Sunflower seed	5		CXL		(1997)
OC	0702	Sunflower seed oil, Crude	0.05	(*)	CXL		(1997)
TN	0085	Tree nuts	0.1		6	98	32

Awaiting the follow-up of the discussion on the policy regarding the residue definitions for genetically modified crops (32.141)

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176 HEXYTHIAZOX

Main Uses 1 ACARICIDE

JMPR 91, 94R, 98R

ADI 0.03 mg/kg body weight (1991)

RESIDUE Hexythiazox.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	0.5	CXL		(1997)	
FS	0013 Cherries	1	CXL		(1997)	
FC	0001 Citrus fruits	0.5	CXL		(1997)	
VP	0526 Common bean (pods and/or immature seeds)	0.5	CXL		(1997)	
VC	0424 Cucumber	0.1	CXL		(1997)	
FB	0279 Currant, Red, White	0.2	CXL		(1997)	
FB	0269 Grapes	1	CXL		(1997)	
DH	1100 Hops, Dry	2	CXL		(2001)	
FS	0247 Peach	1	CXL		(1997)	
FP	0230 Pear	0.5	CXL		(1997)	
FS	0014 Plums (including prunes)	0.2	CXL		(1997)	
FB	0275 Strawberry	0.5	CXL		(1997)	
VO	0448 Tomato	0.1	CXL		(1997)	

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**177 ABAMECTIN**

Main Uses 8 INSECTICIDE

JMPR 92, 94, 95T, 97, 00R

ADI 0.002 mg/kg body weight for sum of abamectin & 8,9-Z-isomer (1997)

RESIDUE Plant commodities: Sum of avermectin B1a, avermectin B1b, 8,9-Z-avermectin B1a and 8,9-Z-avermectin B1b.

Animal commodities: Sum of avermectin B1a and 8,9-Z-avermectin B1a.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AM	0660 Almond hulls	0.1	CXL		(2001)	
TN	0660 Almonds	0.01 (*)	CXL		(2001)	
FP	0226 Apple	0.02	CXL		(2001)	
MF	0812 Cattle fat	0.1	CXL		(2001)	The MRL accommodates external animal treatment.
MO	1280 Cattle kidney	0.05	CXL		(2001)	The MRL accommodates external animal treatment.
MO	1281 Cattle liver	0.1	CXL		(2001)	The MRL accommodates external animal treatment.
MM	0812 Cattle meat	0.01 (*)	CXL		(2001)	
ML	0812 Cattle milk	0.005	CXL		(2001)	
FC	0001 Citrus fruits	0.01 (*)	CXL		(2001)	
SO	0691 Cotton seed	0.01 (*)	CXL		(2001)	
VC	0424 Cucumber	0.01	CXL		(2001)	
MM	0814 Goat meat	0.01 (*)	CXL		(2001)	
ML	0814 Goat milk	0.005	CXL		(2001)	
MO	0814 Goat, Edible offal of	0.1	CXL		(2001)	
DH	1100 Hops, Dry	0.1	CXL		(2001)	
VL	0483 Lettuce, Leaf	0.05	CXL		(2001)	
VC	0046 Melons, except watermelon	0.01 (*)	CXL		(2001)	
FP	0230 Pear	0.02	CXL		(2001)	
VO	0445 Peppers, Sweet	0.02	CXL		(2001)	
VR	0589 Potato	0.01 (*)	CXL		(2001)	
VC	0431 Squash, Summer	0.01 (*)	CXL		(2001)	
FB	0275 Strawberry	0.02	CXL		(2001)	
VO	0448 Tomato	0.02	CXL		(2001)	
TN	0678 Walnuts	0.01 (*)	CXL		(2001)	
VC	0432 Watermelon	0.01 (*)	CXL		(2001)	



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**178 BIFENTHRIN**

Main Uses 8 INSECTICIDE/ACARICIDE

JMPR 92, 95R, 96R, 97R

ADI 0.02 mg/kg body weight (1992)

RESIDUE Bifenthrin (fat-soluble).

Note The CCPR-31 was informed of processing (milling) studies in progress (31.100).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
GC	0640 Barley	0.05 (*)	CXL		(1999)	Residues are not expected to exceed 0.01 mg/kg.
AS	0640 Barley straw and fodder,	0.5	CXL		(1995)	
MF	0812 Cattle fat	0.5	CXL		(1999)	
MO	1280 Cattle kidney	0.05 (*)	CXL		(1995)	
MO	1281 Cattle liver	0.05 (*)	CXL		(1995)	
MM	0812 Cattle meat	0.5 (fat)	CXL		(1995)	
ML	0812 Cattle milk	0.05 (*)	CXL		(1999)	
PE	0840 Chicken eggs	0.01 (*)	CXL		(1995)	
PF	0840 Chicken fat	0.05 (*)	CXL		(1995)	
PM	0840 Chicken meat	0.05 (*) (fat)	CXL		(1995)	
PO	0840 Chicken, Edible offal of	0.05 (*)	CXL		(1995)	Residues are not expected to exceed 0.01 mg/kg.
FC	0203 Grapefruit	0.05 (*)	CXL		(1995)	
DH	1100 Hops, Dry	10	CXL		(1997)	Residues may occur near this level.
FC	0204 Lemon	0.05 (*)	CXL		(1995)	
GC	0645 Maize	0.05 (*)	CXL		(1999)	Residues are not expected to exceed 0.01 mg/kg.
AS	0645 Maize fodder	0.2	CXL		(1995)	
AF	0645 Maize forage	0.05 (*)	CXL		(1995)	Residues may occur near this level.
FC	0208 Orange, Sweet	0.05 (*)	CXL		(1995)	
FP	0230 Pear	0.5	CXL		(1995)	
VR	0589 Potato	0.05 (*)	CXL		(1995)	Residues are not expected to exceed 0.01 mg/kg.
FB	0275 Strawberry	1	CXL		(1995)	
GC	0654 Wheat	0.5 Po	CXL		(1999)	
CM	0654 Wheat bran, Unprocessed	2 PoP	CXL		(1999)	
CF	1211 Wheat flour	0.2 PoP	CXL		(1999)	
AF	0654 Wheat forage (whole plant)	0.2	CXL		(1995)	
AS	0654 Wheat straw and fodder,	0.5	CXL		(1995)	
CF	1212 Wheat wholemeal	0.5 PoP	CXL		(1999)	

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**179 CYCLOXYDIM**

Main Uses 7 HERBICIDE

JMPR 92, 93R

ADI 0.07 mg/kg body weight (1992)

RESIDUE Sum of 3-thian-3-ylglutaric acid (TME) and 3-hydroxy-3-thian-3-ylglutaric acid (OH-TME), expressed as cycloxydim.

Commodit						
Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VD	0071 Beans (dry)	2	CXL		(1997)	
VB	0040 Brassica vegetables	2	CXL		(1995)	
VR	0577 Carrot	0.5	CXL		(1995)	
VP	0526 Common bean (pods and/or immature seeds)	1	CXL		(1995)	
FB	0269 Grapes	0.5	CXL		(1997)	
VA	0384 Leek	0.2	CXL		(1995)	
VL	0482 Lettuce, Head	0.2	CXL		(1997)	
VL	0483 Lettuce, Leaf	0.2	CXL		(1997)	
VP	0063 Peas (pods and succulent=immature seeds)	1	CXL		(1997)	
VP	0064 Peas, Shelled (succulent seeds)	2	CXL		(1997)	
VR	0589 Potato	2	CXL		(1997)	
SO	0495 Rape seed	2	CXL		(1995)	
VD	0541 Soya bean (dry)	2	CXL		(1997)	
FB	0275 Strawberry	0.5	CXL		(1997)	
VR	0596 Sugar beet	0.2	CXL		(1995)	
AV	0596 Sugar beet leaves or tops	1	CXL		(1995)	

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**180 DITHIANON**

Main Uses 5 FUNGICIDE

JMPR 92, 95R

ADI 0.01 mg/kg body weight (1992)

RESIDUE Dithianon.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FS	0013 Cherries	5	CXL		(1997)	
FB	0269 Grapes	3	CXL		(1997)	
DH	1100 Hops, Dry	100	CXL		(1995)	
FC	0206 Mandarin	3	CXL		(1995)	
FP	0009 Pome fruits	5	CXL		(1997)	
FC	0005 Shaddocks or pomelos	3	CXL		(1995)	

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**181 MYCLOBUTANIL**

Main Uses 5 FUNGICIDE

JMPR 92, 97R, 97R, 98R (01R)

ADI 0.03 mg/kg body weight (1992)

RESIDUE Myclobutanil.

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FI 0327	Banana	2	CXL		(2001)	
MM 0812	Cattle meat	0.01 (*)	CXL		(1995)	
ML 0812	Cattle milk	0.01 (*)	CXL		(1995)	
MO 0812	Cattle, Edible offal of	0.01 (*)	CXL		(1995)	
FB 0278	Currant, Black	0.5	CXL		(1999)	
PE 0112	Eggs	0.01 (*)	CXL		(1995)	
FB 0269	Grapes	1	CXL		(1997)	
DH 1100	Hops, Dry	2	CXL		(2001)	
FS 0014	Plums (including prunes)	0.2	CXL		(1997)	
FP 0009	Pome fruits	0.5	CXL		(1997)	
PM 0110	Poultry meat	0.01 (*)	CXL		(1995)	
PO 0111	Poultry, Edible offal of	0.01 (*)	CXL		(1995)	
DF 0014	Prunes	0.5	CXL		(1995)	
FS 0012	Stone fruits	2	CXL		(2001)	Except plums
FB 0275	Strawberry	1	CXL		(2001)	
VO 0448	Tomato	0.3	CXL		(1999)	

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**182 PENCONAZOLE**

Main Uses 5 FUNGICIDE

JMPR 92, 95R

ADI 0.03 mg/kg body weight (1992)

RESIDUE Penconazole.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
MM	0812 Cattle meat	0.05 (*)	CXL		(1995)	
ML	0812 Cattle milk	0.01 (*)	CXL		(1995)	
MO	0812 Cattle, Edible offal of	0.05 (*)	CXL		(1995)	
PE	0840 Chicken eggs	0.05 (*)	CXL		(1995)	
PM	0840 Chicken meat	0.05 (*)	CXL		(1995)	
VC	0424 Cucumber	0.1	CXL		(1997)	
DF	0269 Dried grapes (=currants, raisins and sultanas)	0.5	CXL		(1997)	
FB	0269 Grapes	0.2	CXL		(1997)	
DH	1100 Hops, Dry	0.5	CXL		(1995)	
VC	0046 Melons, except watermelon	0.1	CXL		(1997)	
FS	0245 Nectarine	0.1	CXL		(1995)	
FS	0247 Peach	0.1	CXL		(1995)	
FP	0009 Pome fruits	0.2	CXL		(1997)	
FB	0275 Strawberry	0.1	CXL		(1997)	
VO	0448 Tomato	0.2	CXL		(1997)	

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**184 ETOFENPROX**

Main Uses 8 INSECTICIDE

JMPR 93

ADI 0.03 mg/kg body weight (1993)

RESIDUE Etofenprox (fat-soluble).

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP 0009	Pome fruits	1				
VR 0589	Potato	0.01 (*)	CXL		(1997)	
			CXL		(1995)	

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**185 FENPROPATHRIN**

Main Uses 8 INSECTICIDE/ACARICIDE

JMPR 93

ADI 0.03 mg/kg body weight (1993)

RESIDUE Fenpropathrin (fat-soluble).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
MM	0812 Cattle meat	0.5 (fat)	CXL		(1997)	
ML	0812 Cattle milk	0.1 F	CXL		(1997)	
MO	0812 Cattle, Edible offal of	0.05	CXL		(1995)	
SO	0691 Cotton seed	1	CXL		(1995)	
OC	0691 Cotton seed oil, Crude	3	CXL		(1995)	
VO	0440 Egg plant	0.2	CXL		(1997)	
PE	0112 Eggs	0.01 (*)	CXL		(1995)	
VC	0425 Gherkin	0.2	CXL		(1995)	
FB	0269 Grapes	5	CXL		(1997)	
VO	0445 Peppers, Sweet	1	CXL		(1995)	
FP	0009 Pome fruits	5	CXL		(1995)	
PM	0110 Poultry meat	0.02 (fat)	CXL		(1995)	
PO	0111 Poultry, Edible offal of	0.01 (*)	CXL		(1995)	
VO	0448 Tomato	1	CXL		(1995)	



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**186 METIRAM**

Main Uses 5 FUNGICIDE

JMPR 93T, 95R

ADI 0.03 mg/kg body weight (1993)

RESIDUE See (105) dithiocarbamates.

ADI is group ADI for EBDCs.

Code	Commodit Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
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@@ 0001 See related compound(s)

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**187 CLETHODIM**

Main Uses 7 HERBICIDE

JMPR 94, 97R, 99TR

ADI 0.01 mg/kg body weight (1994)

RESIDUE Sum of clethodim and its metabolites containing 5-(2-ethylthiopropyl)cyclohexene-3-one and 5-(2-ethylthiopropyl)-5-hydroxycyclohexene-3-one moieties and their sulphoxides and sulphones, expressed as clethodim.

Note Written information was requested to be sent to the JMPR Secretaries on what and when data would be available (30.79).

Written comments on this compound were invited once again to be sent to the JMPR Secretariat (31.101).

The CCPR-32 requested governments and other interested organizations to submit available information and relevant comments on analytical methods and LODs to be considered by the ad hoc working group on methods of analysis and sampling (32.145)

The CCPR-33 noted the absence of a suitable method of analysis. The CCPR-34 would this compound with respect to the methodology of residue analysis with the understanding that without the method of analysis MRLs would not be advanced further. (33.175)

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	10	6	97	31, 32, 33	
AL	0061 Bean fodder	10	6	99	33	
AL	1030 Bean forage (green)	5	6	99	33	
VD	0071 Beans (dry)	2	6	94, 97, 99	28, 31, 33	Withdrawal recommended (1997 JMPR). The 1999 JMPR proposed a new MRL (previously 0.1 mg/kg (1994 JMPR)).
VP	0061 Beans, except broad bean and soya bean	0.5 (*)	6	97	31, 32, 33	
MO	1280 Cattle kidney	0.2 (*)	6	94, 97, 99	28, 31, 33	Withdrawal recommended (1999 JMPR). To be replaced by a new MRL for edible offal (mammalian).
MO	1281 Cattle liver	0.2 (*)	6	94, 97, 99	28, 31, 33	Withdrawal recommended (1999 JMPR). To be replaced by a new MRL for edible offal (mammalian).
MM	0812 Cattle meat	0.5 (*)	6	94, 97, 99	28, 31, 33	Withdrawal recommended (1999 JMPR). To be replaced by a new MRL for meat (from mammalian).
ML	0812 Cattle milk	0.1 (*)	6	94, 97, 99	28, 31, 33	Withdrawal recommended (1999 JMPR). To be replaced by a new MRL milks.
PE	0840 Chicken eggs	0.5 (*)	6	94, 97, 99	28, 31, 33	Withdrawal recommended (1999 JMPR). To be replaced by a new MRL for eggs.
PM	0840 Chicken meat	0.5 (*)	6	94, 97, 99	28, 31, 33	Withdrawal recommended (1999 JMPR). To be replaced by a new MRL for poultry meat.
SO	0691 Cotton seed	0.5	6	94	28, 31, 32, 33	
OC	0691 Cotton seed oil, Crude	0.5 (*)	6	94, 97	28, 31, 32, 33	Changed from 0.1 mg/kg (1997 JMPR).
OR	0691 Cotton seed oil, Edible	0.5 (*)	6	94, 97	28, 31, 32, 33	Changed from 0.05 mg/kg (1997 JMPR).
MO	0105 Edible offal (mammalian)	0.2 (*)	6	99	33	
PE	0112 Eggs	0.05 (*)	6	99	33	
VD	0561 Field pea (dry)	2	6	94, 97	28, 31, 32, 33	Changed from 0.1 mg/kg (1997 JMPR).

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AM	1051	Fodder beet	0.1	(*)	6	97	31, 32, 33	
VA	0381	Garlic	0.5		6	97	31, 32, 33	
MM	0095	Meat (from mammals other than marine mammals)	0.2	(*)	6	99	33	
ML	0106	Milks	0.05	(*)	6	99	33	
VA	0385	Onion, Bulb	0.5		6	97	31, 32, 33	
SO	0697	Peanut	5		6	97	31, 32, 33	
VR	0589	Potato	0.5		6	94, 99	28, 31, 33	Changed from 0.2 mg/kg (1999 JMPR).
PM	0110	Poultry meat	0.2	(*)	6	99	33	
PO	0111	Poultry, Edible offal of	0.2	(*)	6	99	33	
SO	0495	Rape seed	0.5		6	94	28, 31, 32, 33	
OC	0495	Rape seed oil, Crude	0.5	(*)	6	94, 97	28, 31, 32, 33	Changed from 0.05 mg/kg (1997 JMPR).
OR	0495	Rapeseed oil, Edible	0.5	(*)	6	94, 97	28, 31, 32, 33	Changed from 0.05 mg/kg (1997 JMPR).
VD	0541	Soya bean (dry)	10		6	94	28, 31, 32, 33	
OC	0541	Soya bean oil, Crude	1		6	94	28, 31, 32, 33	
OR	0541	Soya bean oil, Refined	0.5	(*)	6	94, 97	28, 31, 32, 33	Changed from 0.1 mg/kg (1997 JMPR).
VR	0596	Sugar beet	0.1		6	94, 97	28, 31, 32, 33	Changed from 0.2 mg/kg (1997 JMPR).
SO	0702	Sunflower seed	0.5		6	94, 97, 99	28, 31, 33	Withdrawal recommended (1997 JMPR). The 1999 JMPR proposed a new MRL (previously 0.2 mg/kg (1994 JMPR)).
OC	0702	Sunflower seed oil, Crude	0.1	(*)	6	94, 97, 99	28, 31, 33	Withdrawal recommended (1997 JMPR). The 1999 JMPR proposed a new MRL (previously 0.05 mg/kg (1994 JMPR)).
OR	0702	Sunflower seed oil, Edible	0.05		6	94, 97	28, 31, 32, 33	Withdrawal recommended (1997 JMPR)
VO	0448	Tomato	1		6	97	31, 32, 33	

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**188 FENPROPIMORPH**

Main Uses 5 FUNGICIDE

JMPR 94T, 95R, 99R, 01T

ADI 0.003 mg/kg body weight (1994)

AcuteRfD 1

RESIDUE Plant products: Fenpropimorph.

Animal products: 2-Methyl-2-{4-[2-methyl-3-(cis-2,6-dimethylmorpholin-4-yl)propyl]phenyl}propionic acid, expressed as fenpropimorph

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FI 0327	Banana	2	6	99	33	
GC 0640	Barley	0.5	CXL		(2001)	
AS 0640	Barley straw and fodder,	5	CXL		(2001)	
PE 0112	Eggs	0.01 (*)	CXL		(2001)	
AV 1051	Fodder beet leaves or tops	1	CXL		(2001)	
MO 0098	Kidney of cattle, goats, pigs & sheep	0.05	CXL		(2001)	
MO 0099	Liver of cattle, goats, pigs & sheep	0.3	CXL		(2001)	
MF 0100	Mammalian fats (except milk fats)	0.01	CXL		(2001)	
MM 0095	Meat (from mammals other than marine mammals)	0.02	CXL		(2001)	
ML 0106	Milks	0.01	CXL		(2001)	
AS 0647	Oat straw and fodder, Dry	5	CXL		(2001)	
GC 0647	Oats	0.5	CXL		(2001)	
PF 0111	Poultry fats	0.01 (*)	CXL		(2001)	
PM 0110	Poultry meat	0.01 (*)	CXL		(2001)	
PO 0111	Poultry, Edible offal of	0.01 (*)	CXL		(2001)	
GC 0650	Rye	0.5	CXL		(2001)	
AS 0650	Rye straw and fodder, Dry	5	CXL		(2001)	
VR 0596	Sugar beet	0.05 (*)	CXL		(2001)	
AV 0596	Sugar beet leaves or tops	1	CXL		(2001)	
GC 0654	Wheat	0.5	CXL		(2001)	
AS 0654	Wheat straw and fodder,	5	CXL		(2001)	

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**189 TEBUCONAZOLE**

Main Uses 5 FUNGICIDE

JMPR 94, 97R

ADI 0.03 mg/kg body weight (1994)

RESIDUE Tebuconazole.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FI	0327 Banana	0.05	CXL		(1999)	
GC	0640 Barley	0.2	CXL		(1997)	
AS	0640 Barley straw and fodder,	10	CXL		(1997)	
MM	0812 Cattle meat	0.05 (*)	CXL		(1997)	
ML	0812 Cattle milk	0.01 (*)	CXL		(1997)	
MO	0812 Cattle, Edible offal of	0.05 (*)	CXL		(1997)	
FS	0013 Cherries	5	CXL		(2001)	
PE	0840 Chicken eggs	0.05 (*)	CXL		(1997)	
PM	0840 Chicken meat	0.05 (*)	CXL		(1997)	
PO	0840 Chicken, Edible offal of	0.05 (*)	CXL		(1997)	
VC	0424 Cucumber	0.2	CXL		(1999)	
DF	0269 Dried grapes (=currants, raisins and sultanas)	3	CXL		(2001)	
FB	0269 Grapes	2	CXL		(2001)	
GC	0647 Oats	0.05 (*)	CXL		(1999)	
FS	0247 Peach	1	CXL		(1999)	
SO	0697 Peanut	0.05	CXL		(1997)	
AL	0697 Peanut fodder	30	CXL		(1997)	
VO	0445 Peppers, Sweet	0.5	CXL		(1999)	
FP	0009 Pome fruits	0.5	CXL		(1999)	
SO	0495 Rape seed	0.05	CXL		(1997)	
GC	0650 Rye	0.05 (*)	CXL		(1997)	
AS	0650 Rye straw and fodder, Dry	5	CXL		(1997)	
VC	0431 Squash, Summer	0.02	CXL		(1997)	
VO	0448 Tomato	0.2	CXL		(1997)	
GC	0654 Wheat	0.05	CXL		(1997)	
AS	0654 Wheat straw and fodder,	10	CXL		(1997)	

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**190 TEFLUBENZURON**

Main Uses 9 INSECT GROWTH REGULATOR

JMPR 94T, 96R

ADI 0.01 mg/kg body weight (1994)

RESIDUE Teflubenzuron (fat-soluble)

Commodit						
Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VB	0402 Brussels sprouts	0.5	CXL		(1999)	
VB	0041 Cabbages, Head	0.2	CXL		(1999)	
FS	0014 Plums (including prunes)	0.1	CXL		(1999)	
FP	0009 Pome fruits	1	CXL		(1999)	
VR	0589 Potato	0.05 (*)	CXL		(1999)	

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**191 TOLCLOFOS-METHYL**

Main Uses 5 FUNGICIDE

JMPR 94

ADI 0.07 mg/kg body weight (1994)

RESIDUE Tolclofos-methyl.

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VL	0482 Lettuce, Head	2	CXL		(1997)	
VL	0483 Lettuce, Leaf	2	CXL		(1997)	
VR	0589 Potato	0.2	CXL		(1997)	
VR	0494 Radish	0.1	CXL		(1997)	

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**192 FENARIMOL**

Main Uses 5 FUNGICIDE

JMPR 95, 96R

ADI 0.01 mg/kg body weight (1995)

RESIDUE Fenarimol.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AB	0226 Apple pomace, Dry	5	CXL		(1999)	
VS	0620 Artichoke globe	0.1	CXL		(1997)	
FI	0327 Banana	0.2	CXL		(1997)	
MO	1280 Cattle kidney	0.02 (*)	CXL		(1999)	
MO	1281 Cattle liver	0.05	CXL		(1999)	
MM	0812 Cattle meat	0.02 (*)	CXL		(1999)	
FS	0013 Cherries	1	CXL		(1997)	
DF	0269 Dried grapes (=currants, raisins and sultanas)	0.2	CXL		(1999)	
FB	0269 Grapes	0.3	CXL		(1999)	
DH	1100 Hops, Dry	5	CXL		(1999)	
VC	0046 Melons, except watermelon	0.05	CXL		(1997)	
FS	0247 Peach	0.5	CXL		(1999)	
TN	0672 Pecan	0.02 (*)	CXL		(1997)	
VO	0445 Peppers, Sweet	0.5	CXL		(1999)	
FP	0009 Pome fruits	0.3	CXL		(1999)	
FB	0275 Strawberry	1	CXL		(1997)	



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**193 FENPYROXIMATE**

Main Uses 1 ACARICIDE

JMPR 95, 99R

ADI 0.01 mg/kg body weight (1995)

RESIDUE Fenpyroximate (fat-soluble).

Note The 1995 JMPR estimated a maximum residue level for apple (0.09 mg/kg), but owing to the lack of critical supporting data this is not recommended for use as an MRL.

Commodit							
Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP	0226 Apple	0.3		6	99	33	
MO	1280 Cattle kidney	0.01	(*)	6	99	33	
MO	1281 Cattle liver	0.01	(*)	6	99	33	
MM	0812 Cattle meat	0.02	(fat)	6	99	33	
ML	0812 Cattle milk	0.005	(*) F	6	99	33	
FB	0269 Grapes	1		6	99	33	
DH	1100 Hops, Dry	10		6	99	33	
FC	0004 Oranges, Sweet, Sour	0.2		6	99	33	

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**194 HALOXYFOP**

Main Uses 7 HERBICIDE

JMPR 95, 96R, 01R

ADI 0.0003 mg/kg body weight (1995)

RESIDUE Haloxyfop esters, haloxyfop and its conjugates expressed as haloxyfop.

Note The CCPR-30 was informed that new animal transfer studies would be available later in 1998. Written comments were requested from a number of countries for consideration by the 31st CCPR (30.82). The CCPR-31 postponed discussions to the 32nd Session to fully consider these written comments (31.102). The CCPR-32 noted that new residues data for haloxyfop in several crops had recently been evaluated in Australia, including new transfer and depletion studies in beef and dairy animals. The new studies would be made available to the 2001 JMPR. Pending animal transfer studies, the CCPR-32 returned the MRLs for commodities which could be used as feeding stuffs, and for animal products to Step 6. (32.147-148)

The CCPR-33 noted the JMPR's review of this compound in 2001 and would consider this compound at its next session. (33.194)

Acute RfD may be necessary but has not been established (2001 JMPR).

The information provided to the JMPR precludes an estimate that the dietary intake would be below the ADI (2001 JMPR).

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1021 Alfalfa forage (green)	5	3	95, 96, 01		
FI	0327 Banana	0.05 (*)	CXL		(2001)	
MO	1280 Cattle kidney	1	3	01		
MO	1281 Cattle liver	0.5	3	01		
MM	0812 Cattle meat	0.05	3	01		
ML	0812 Cattle milk	0.3	3	01		
PE	0840 Chicken eggs	0.01 (*)	6	96, 01	30, 32, 33	Confirmed (2001 JMPR)
PM	0840 Chicken meat	0.01 (*)	6	96, 01	30, 32, 33	With adhering skin. Value confirmed (2001 JMPR)
PO	0840 Chicken, Edible offal of	0.05	6	96, 01	30, 32, 33	Changed from 0.1 mg/kg (2001 JMPR)
FC	0001 Citrus fruits	0.05 (*)	CXL		(2001)	
SO	0691 Cotton seed	0.2	6	96	30, 32, 33	
OC	0691 Cotton seed oil, Crude	0.5	6	96	30, 32, 33	
AM	1051 Fodder beet	0.3	6	96	30, 32, 33	
AV	1051 Fodder beet leaves or tops	0.3	3	95, 96, 01		
FB	0269 Grapes	0.05 (*)	CXL		(2001)	
SO	0697 Peanut	0.05	6	96	30, 32, 33	
VP	0063 Peas (pods and succulent=immature seeds)	0.2	6	96	30, 32, 33	
FP	0009 Pome fruits	0.05 (*)	CXL		(2001)	
VR	0589 Potato	0.1	6	96	30, 32, 33	
VD	0070 Pulses	0.2	6	96	30, 32, 33	
SO	0495 Rape seed	2	6	96	30, 32, 33	

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OC	0495	Rape seed oil, Crude	5		6	96	30, 32, 33
OR	0495	Rapeseed oil, Edible	5		6	96	30, 32, 33
CM	1206	Rice bran, Unprocessed	0.02	(*)	6	96	30, 32, 33
CM	0649	Rice, Husked	0.02	(*)	6	96	30, 32, 33
CM	1205	Rice, Polished	0.02	(*)	6	96	30, 32, 33
OC	0541	Soya bean oil, Crude	0.2		6	96	30, 32, 33
OR	0541	Soya bean oil, Refined	0.2		6	96	30, 32, 33
VR	0596	Sugar beet	0.3		6	96	30, 32, 33
AV	0596	Sugar beet leaves or tops	0.3	fresh wt	3	95, 96, 01	
SO	0702	Sunflower seed	0.2		6	96	30, 32, 33

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**195 FLUMETHRIN**

Main Uses 8 INSECTICIDE

JMPR 96

ADI 0.004 mg/kg body weight (1996)

RESIDUE Flumethrin (fat-soluble)

Note The 1996 JMPR proposed an MRL of 0.005 mg/kg (\*) for honey which has not been included in the Codex Classification of Foods and Animal Feeds.

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
MM 0812	Cattle meat	0.2 (fat)	CXL		(1999)	On carcass fat basis. The MRL accommodates external animal treatment.
ML 0812	Cattle milk	0.05 F	CXL		(1999)	The MRL accommodates external animal treatment.

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**196 TEBUFENOZIDE**

Main Uses 8 INSECTICIDE  
 JMPR 96, 97R, 99R, 01  
 ADI 0.02 mg/kg body weight (1996)  
 AcuteRfD 0.05  
 RESIDUE Tebufenozide (fat-soluble).

Code	Commodit Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AM	0660 Almond hulls	30	3	01		
TN	0660 Almonds	0.05	3	01		
FI	0326 Avocado	1	3	01		
FB	0020 Blueberries	3	3	01		
VB	0400 Broccoli	0.5	3	01		
VB	0041 Cabbages, Head	5	3	01		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD. (2001 JMPR)
MO	1280 Cattle kidney	0.02 (*)	3	01		
MO	1281 Cattle liver	0.02 (*)	3	01		
MM	0812 Cattle meat	0.05 (fat)	3	01		
ML	0812 Cattle milk	0.01 (*)	3	01		
FC	0001 Citrus fruits	2	3	01		
FB	0265 Cranberry	0.5	3	01		
DF	0269 Dried grapes (=currants, raisins and sultanas)	2	3	01		
PE	0112 Eggs	0.02 (*)	3	01		
FB	0269 Grapes	2	6	96, 99, 01	30, 31, 33	Changed from 1 mg/kg. (2001 JMPR) The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD. (2001 JMPR)
FI	0341 Kiwifruit	0.5	CXL		(1999)	
VL	0053 Leafy vegetables	10	3	01		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD. (2001 JMPR)
HH	0738 Mints	20	3	01		
FS	0245 Nectarine	0.5	3	01		
FS	0247 Peach	0.5	3	01		
TN	0672 Pecan	0.01 (*)	3	01		
VO	0051 Peppers	1	3	01		

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FP	0009	Pome fruits	1		CXL		(1999)	Confirmed (1999 JMPR)
PM	0110	Poultry meat	0.02	(*)	3	01		
SO	0495	Rape seed	2		3	01		
FB	0272	Raspberries, Red, Black	2		3	01		
CM	0649	Rice, Husked	0.1		CXL		(1999)	
GS	0659	Sugar cane	1		3	01		
VO	0448	Tomato	1		3	01		
TN	0678	Walnuts	0.05		CXL		(1999)	

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**197 FENBUCONAZOLE**

Main Uses 5 FUNGICIDE

JMPR 97 (02R)

ADI 0.03 mg/kg body weight (1997)

RESIDUE Fenbuconazole (fat soluble).

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FS	0240 Apricot	0.5	CXL		(2001)	
FI	0327 Banana	0.05	CXL		(1999)	
GC	0640 Barley	0.2	CXL		(2001)	
AS	0640 Barley straw and fodder,	3	CXL		(2001)	
MF	0812 Cattle fat	0.05 (*)	CXL		(2001)	
MO	1280 Cattle kidney	0.05 (*)	CXL		(2001)	
MO	1281 Cattle liver	0.05	CXL		(2001)	
MM	0812 Cattle meat	0.05 (*)	CXL		(2001)	
ML	0812 Cattle milk	0.05 (*)	CXL		(2001)	
FS	0013 Cherries	1	CXL		(1999)	
VC	0424 Cucumber	0.2	CXL		(1999)	
PE	0112 Eggs	0.05 (*)	CXL		(2001)	
FB	0269 Grapes	1	CXL		(1999)	
VC	0046 Melons, except watermelon	0.2	CXL		(1999)	
FS	0247 Peach	0.5	CXL		(2001)	
TN	0672 Pecan	0.05 (*)	CXL		(1999)	
FP	0009 Pome fruits	0.1	CXL		(1999)	
PF	0111 Poultry fats	0.05 (*)	CXL		(2001)	
PM	0110 Poultry meat	0.05 (*)	CXL		(2001)	
PO	0111 Poultry, Edible offal of	0.05 (*)	CXL		(2001)	
SO	0495 Rape seed	0.05 (*)	CXL		(2001)	
GC	0650 Rye	0.1	CXL		(1999)	
VC	0431 Squash, Summer	0.05	CXL		(1999)	
SO	0702 Sunflower seed	0.05 (*)	CXL		(1999)	
GC	0654 Wheat	0.1	CXL		(1999)	
AS	0654 Wheat straw and fodder,	3	CXL		(1999)	

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**198 AMINOMETHYLPHOSPHONIC ACID (AMPA)**

Main Uses

JMPR 97

ADI 0.3 mg/kg body weight for sum of glyphosate and aminomethylphosphonic acid (1997)

RESIDUE Aminométhylphosphonic acid (AMPA).

AMPA is the main residue resulting from the treatment of genetically-modified maize with glyphosate. See also (158) glyphosate

Note The CCPR-33 decided to delete the MRLs because they were no longer relevant. (33.181)

Commodit

Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
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@@ 0000 No MRL



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**199 KRESOXIM-METHYL**

Main Uses 5 FUNGICIDE

JMPR 98, 01R

ADI 0.4 mg/kg body weight (1998)

RESIDUE Plant commodities: Kresoxim-methyl.

Animal commodities: Alpha-(p-hydroxy-o-tolyloxy)-o-tolyl(methoxyimino)acetic acid, expressed as kresoxim-methyl.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
GC	0640 Barley	0.1	6	98	32	
VC	0424 Cucumber	0.05 (*)	CXL		(2001)	
DF	0269 Dried grapes (=currants, raisins and sultanas)	2	CXL		(2001)	
MO	0105 Edible offal (mammalian)	0.05 (*)	6	98	32	
FC	0203 Grapefruit	0.5	3	01		
FB	0269 Grapes	1	CXL		(2001)	
MF	0100 Mammalian fats (except milk fats)	0.05 (*)	6	98	32	
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	6	98	32	
ML	0106 Milks	0.01 (*)	6	98	32	
OC	0305 Olive oil, Virgin	0.7	3	01		
FT	0305 Olives	0.2	3	01		
FC	0004 Oranges, Sweet, Sour	0.5	3	01		
FP	0009 Pome fruits	0.2	6	98	32	
PM	0110 Poultry meat	0.05 (*)	6	98	32	
GC	0650 Rye	0.05 (*)	CXL		(2001)	
AS	0081 Straw and fodder (dry) of cereal grains	5	CXL		(2001)	
GC	0654 Wheat	0.05 (*)	CXL		(2001)	

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**200 PYRIPROXIFEN**

Main Uses 8 INSECTICIDE  
JMPR 99, 00R, 01T  
ADI 0.1 mg/kg body weight (1999)  
RESIDUE Pyriproxifen (fat-soluble).

Commodit		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
MM	0812 Cattle meat	0.01 (*) (fat)	6	99	33	
MO	0812 Cattle, Edible offal of	0.01 (*)	6	99	33	
FC	0001 Citrus fruits	0.5	CXL		(2001)	
SO	0691 Cotton seed	0.05	6	99	33	
OC	0691 Cotton seed oil, Crude	0.01	6	99	33	
OR	0691 Cotton seed oil, Edible	0.01	6	99	33	
MM	0814 Goat meat	0.01 (*) (fat)	6	99	33	
MO	0814 Goat, Edible offal of	0.01 (*)	6	99	33	

- Part.A1 -

Part 1 - 211

**201 CHLORPROPHAM**

Main Uses 16 PLANT GROWTH REGULATOR

JMPR 00T, 01R

ADI 0.03 mg/kg body weight (2000)

AcuteRfD 0.03

RESIDUE Chlorpropham (fat-soluble).

Commodit Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
MM 0812	Cattle meat	0.1 (fat)	3	01		
ML 0812	Cattle milk	0.0005 (*) F	3	01		
MO 0812	Cattle, Edible offal of	0.01 (*)	3	01		
VR 0589	Potato	30 Po	3	01		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD for cooked potato.

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**202 FIPRONIL**

Main Uses 8 INSECTICIDE

JMPR 00T, 01R

ADI 0.0002 mg/kg body weight (2000, group ADI for fipronil and fipronil-desulfinyl  
[5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylpyrazole (MB 46513)])

AcuteRfD 0.003

RESIDUE Plant commodities: Fipronil (fat-soluble).

Animal commodities: Sum of fipronil and 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylsulphonylpyrazole (MB 46136), expressed as fipronil (fat-soluble).

Commodity Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FI 0327	Banana	0.005	3	01		
GC 0640	Barley	0.002 (*)	3	01		
VB 0041	Cabbages, Head	0.02	3	01		
MO 1280	Cattle kidney	0.02	3	01		
MO 1281	Cattle liver	0.1	3	01		
MM 0812	Cattle meat	0.5 (fat)	3	01		
ML 0812	Cattle milk	0.02	3	01		
PE 0112	Eggs	0.02	3	01		
VB 0042	Flowerhead brassicas	0.02	3	01		
GC 0645	Maize	0.01	3	01		
AS 0645	Maize fodder	0.1	3	01		dry wt
AF 0645	Maize forage	0.1	3	01		dry wt
GC 0647	Oats	0.002 (*)	3	01		
VR 0589	Potato	0.02	3	01		
PM 0110	Poultry meat	0.01 (*)	3	01		
PO 0111	Poultry, Edible offal of	0.02	3	01		
GC 0649	Rice	0.01	3	01		
AS 0649	Rice straw and fodder, Dry	0.2	3	01		dry wt
GC 0650	Rye	0.002 (*)	3	01		
VR 0596	Sugar beet	0.2	3	01		
AV 0596	Sugar beet leaves or tops	0.2	3	01		dry wt
SO 0702	Sunflower seed	0.002 (*)	3	01		
GC 0653	Triticale	0.002 (*)	3	01		
GC 0654	Wheat	0.002 (*)	3	01		

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Part 1 - 213

**203 SPINOSAD**

Main Uses 8 INSECTICIDE

JMPR 01

ADI 0.02 mg/kg body weight (2001)

RESIDUE Sum of spinosyn A and spinosyn D (fat-soluble).

Residues in milk should be measured on the whole milk.

Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AM	0660 Almond hulls	2	3	01		
TN	0660 Almonds	0.01 (*)	3	01		
FP	0226 Apple	0.1	3	01		
VB	0040 Brassica vegetables	2	3	01		
MO	1280 Cattle kidney	1	3	01		The MRL accommodates external animal treatment.
MO	1281 Cattle liver	2	3	01		The MRL accommodates external animal treatment.
MM	0812 Cattle meat	3 (fat)	3	01		The MRL accommodates external animal treatment.
ML	0812 Cattle milk	1	3	01		The MRL accommodates external animal treatment.
VS	0624 Celery	2	3	01		
FC	0001 Citrus fruits	0.3	3	01		
SO	0691 Cotton seed	0.01 (*)	3	01		
OC	0691 Cotton seed oil, Crude	0.01 (*)	3	01		
OR	0691 Cotton seed oil, Edible	0.01 (*)	3	01		
PE	0112 Eggs	0.01	3	01		
VC	0045 Fruiting vegetables, Cucurbits	0.2	3	01		
FI	0341 Kiwifruit	0.05	3	01		
VL	0053 Leafy vegetables	10	3	01		
VP	0060 Legume vegetables	0.3	3	01		
GC	0645 Maize	0.01 (*)	3	01		
AS	0645 Maize fodder	5	3	01		
AF	0645 Maize forage	5	3	01		dry wt
VO	0051 Peppers	0.3	3	01		
VR	0589 Potato	0.01 (*)	3	01		
PM	0110 Poultry meat	0.2 (fat)	3	01		
MM	0822 Sheep meat	0.01 (*) (fat)	3	01		The MRL accommodates external animal treatment.
MO	0822 Sheep, Edible offal of	0.01 (*)	3	01		The MRL accommodates external animal treatment.

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GC	0651	Sorghum	1		3	01
VD	0541	Soya bean (dry)	0.01	(*)	3	01
FS	0012	Stone fruits	0.2		3	01
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	3	01
VO	0448	Tomato	0.3		3	01
AS	0654	Wheat straw and fodder,	1		3	01

**PART A.2**

**LIST OF EXTRANEEOUS RESIDUE LIMITS FOR PESTICIDES  
IN FOOD AND ANIMAL FEEDS  
(At Various Steps of the Codex Procedure)**

- Part A2 -

Part 2 - 1

**1 ALDRIN AND DIELDRIN**

JMPR 65T, 66, 67, 68R, 69R, 70, 74R, 75R, 77T, 90R, 92R

PTDI 0.0001 mg/kg body weight (confirmed 1977; converted to PTDI in 1994)

RESIDUE Sum of HHDN and HEOD (fat-soluble).

Commodit Code	Name	EMRL (mg/kg)	Step	JMPR	CCPR	Note
VA	0035 Bulb vegetables	0.05	CXL		(1997)	
GC	0080 Cereal grains	0.02	CXL			
FC	0001 Citrus fruits	0.05	CXL		(1997)	
PE	0112 Eggs	0.1	CXL			
VC	0045 Fruiting vegetables, Cucurbits	0.1	CXL		(1997)	
VL	0053 Leafy vegetables	0.05	CXL		(1997)	
VP	0060 Legume vegetables	0.05	CXL		(1997)	
MM	0095 Meat (from mammals other than marine mammals)	0.2 (fat)	CXL			
ML	0106 Milks	0.006 F	CXL			
FP	0009 Pome fruits	0.05	CXL		(1997)	
PM	0110 Poultry meat	0.2 (fat)	CXL		(1997)	
VD	0070 Pulses	0.05	CXL		(1997)	
VR	0075 Root and tuber vegetables	0.1	CXL		(1997)	



- Part A2 -

Part 2 - 2

**12 CHLORDANE**

JMPR 65T, 67, 69R, 70, 72R, 74R, 77, 82T, 84, 86T

PTDI 0.0005 mg/kg body weight (1986; converted to PTDI in 1994)

RESIDUE Plant commodities: Sum of cis- and trans-chlordane (fat-soluble).

Animal commodities: Sum of cis- and trans-chlordane and "oxychlordane" (fat-soluble).

Commodit Code	Name	EMRL (mg/kg)	Step	JMPR	CCPR	Note
TN	0660 Almonds	0.02	CXL			
OC	0691 Cotton seed oil, Crude	0.05	CXL			
PE	0112 Eggs	0.02	CXL			
AO2	0003 Fruits and vegetables	0.02 (*)	CXL			
TN	0666 Hazelnuts	0.02	CXL			
OC	0693 Linseed oil, Crude	0.05	CXL			
GC	0645 Maize	0.02	CXL			
MM	0095 Meat (from mammals other than marine mammals)	0.05 (fat)	CXL			
ML	0106 Milks	0.002 F	CXL			
GC	0647 Oats	0.02	CXL			
TN	0672 Pecan	0.02	CXL			
PM	0110 Poultry meat	0.5 (fat)	CXL			
CM	1205 Rice, Polished	0.02	CXL			
GC	0650 Rye	0.02	CXL			
GC	0651 Sorghum	0.02	CXL			
OC	0541 Soya bean oil, Crude	0.05	CXL			
OR	0541 Soya bean oil, Refined	0.02	CXL			
TN	0678 Walnuts	0.02	CXL			
GC	0654 Wheat	0.02	CXL			

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Part 2 - 3

**21 DDT**

JMPR 65T, 66, 67, 68, 69, 78R, 79T, 80T, 83T, 84T, 93R, 94R, 96R, 00

PTDI 0.01 mg/kg body weight (2000)

RESIDUE Sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) (fat-soluble).

Note Previous PTDI, 0.02 mg/kg (1984, converted to PTDI in 1994)

The CCPR-33 decided to propose to the CAC an EMRL of 5 mg/kg and a level of 3 mg/kg in square brackets and to ask the CAC to take a decision regarding the level, taking into account that the CCPR would not be able to reach consensus by deferring consideration of this matter to a later session. The CCPR also decided not to request a new evaluation of the monitoring data by the next meeting of JMPR.(33.195)

The CAC-24 decided to retain the current temporary EMRL of 5 mg/kg and agreed that the proposal to lower the EMRL to 1 mg/kg should be referred to the CCPR for further consideration (ALINORM 01/41, para. 145)

Code	Commodity Name	EMRL (mg/kg)		Step	JMPR	CCPR	Note
VR	0577 Carrot	0.2		CXL		(1997)	
GC	0080 Cereal grains	0.1		CXL			
PE	0112 Eggs	0.1		CXL		(1997)	
MM	0095 Meat (from mammals other than marine mammals)	5	(fat) T	CXL			
MM	0095 Meat (from mammals other than marine mammals)	1-5	(fat)	8(a)	93, 96, 00	28, 30, 31	1996 JMPR proposed a new full MRL which is at the same level as the CXL (previous proposal was at 1 mg/kg kept at Step 3). The 2000 JMPR proposed 1-5 mg/kg corresponding to violation rates of 0.1 %-0.5%. The CCPR-33 could not reach consensus on the proposed draft MRL at 5 mg/kg. The CCPR decided to advance the proposal to Step 8 together with a compromise proposal at 3 mg/kg.
ML	0106 Milks	0.02	F	CXL		(1997)	
PM	0110 Poultry meat	0.1-0.3		3	00		The 2000 JMPR proposed 0.1-0.3 mg/kg corresponding to violation ranges of 0.1%-0.5%.

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Part 2 - 4

**33 ENDRIN**

JMPR 65T, 70, 74R, 75R, 90R, 92R

PTDI 0.0002 mg/kg body weight (1970; converted to PTDI in 1994)

RESIDUE Sum of endrin and delta-keto-endrin (fat-soluble).

Commodit		EMRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VC	0045 Fruiting vegetables, Cucurbits	0.05			(1997)	
PM	0110 Poultry meat	0.1 (fat)			(1997)	

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Part 2 - 5

**43 HEPTACHLOR**

JMPR 65T, 66, 67R, 68R, 69R, 70, 74R, 75R, 77R, 87R, 91, 93R, 94R

PTDI 0.0001 mg/kg body weight (1991; converted to PTDI in 1994)

RESIDUE Sum of heptachlor and heptachlor epoxide (fat-soluble).

Note The 1994 JMPR agreed that for the general monitoring of heptachlor and its metabolite, a suitable limit of determination for the total residue would be 0.01 mg/kg.

Commodity		EMRL (mg/kg)		Step	JMPR	CCPR	Note
GC	0080	Cereal grains	0.02				CXL
FC	0001	Citrus fruits	0.01				CXL
SO	0691	Cotton seed	0.02				CXL
PE	0112	Eggs	0.05				CXL
MM	0095	Meat (from mammals other than marine mammals)	0.2	(fat)			CXL
ML	0106	Milks	0.006	F			CXL
FI	0353	Pineapple	0.01				CXL
PM	0110	Poultry meat	0.2	(fat)			CXL
VP	0541	Soya bean (immature)	0.02				CXL
OC	0541	Soya bean oil, Crude	0.5				CXL
OR	0541	Soya bean oil, Refined	0.02				CXL

**PART A.3**

**LIST OF PESTICIDES FOR WHICH GUIDELINE LEVELS HAVE BEEN SET**

**- Part A3 -**

Part 3 - 1

**52 METHYL BROMIDE**

Main uses 4 FUMIGANT

JMPR 65, 66, 67R, 68, 71R, 79R, 85R, 92R

ADI

RESIDUE

Note Not cleared toxicologically by JMPR.

Commodity Code	Name	GL (mg/kg)		Step	JMPR	CCPR	Note
CP 0179	Bread and other cooked cereal products	0.01	(*)		79	31	To apply to commodity at point of retail sale or when offered for consumption
SB 0715	Cacao beans	5	Po		79	31	To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at last 24 h after fumigation and before
GC 0080	Cereal grains	5	Po		79	31	To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at last 24 h after fumigation and before
AO6 0001	Cocoa products	0.01	(*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
DF 0167	Dried fruits	0.01	(*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
DF 0167	Dried fruits	2	Po		79	31	To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at last 24 h after fumigation and before
AO4 0001	Milled cereals products	0.01	(*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
AO4 0001	Milled cereals products	1	Po		79	31	To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at last 24 h after fumigation and before
SO 0697	Peanut	0.01	(*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
SO 0697	Peanut	10	Po		79	31	To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at last 24 h after fumigation and before
TN 0085	Tree nuts	0.01	(*) Po		79	17, 31	To apply to commodity at point of retail sale or when offered for consumption
TN 0085	Tree nuts	10	Po		79, 85	17, 31	To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at last 24 h after fumigation and before

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Part 3 - 2

**114 GUAZATINE**

Main uses 5 FUNGICIDE

JMPR 78, 80R, 97' (02)

ADI ADI withdrawn (1997)

RESIDUE Guazatine.

Note Until 1986 the ISO name guazatine was applied to iminocladine. However, now the ISO name guazatine applies to a reaction mixture.

The proposals remain as guideline levels until a new ADI is recommended.

Previous ADI 0.03 mg/kg bw (1978).

Commodity		GL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
GC 0080	Cereal grains	0.05 (*)	4	97	31	
FC 0001	Citrus fruits	5 Po	4		31	Data would be submitted in 2000 (31.88)

## ANNEX 1

**MRL PERIODIC REVIEW PROCEDURE**

The periodic Review Procedure consists of two distinct phases as described below:

**PHASE I**  
**IDENTIFY PERIODIC REVIEW CHEMICALS AND SOLICIT DATA COMMITMENTS**  
**(Year 1, CCPR Meeting)**

**1. Identify Candidate Chemicals for Re-evaluation**

On an annual basis the CCPR (Working Group on Priorities) lists chemicals meeting the following criteria:

- pesticide chemicals for which MRLs were first estimated more than 10 years ago; or
- pesticide chemicals for which a periodic review was conducted more than 10 years ago.

Tentative lists for several years may be prepared when feasible.

**2. Notify Data Owners or Other Parties of Candidate List**

Governments and international organizations represented at the annual CCPR Meeting expeditiously notify current data owners (or other interested parties) of the candidate list for periodic reviews, and when available, tentative lists for the following years. A copy of the most recent procedure for periodic review is also included.

**3. Invite Commitment to Support Continued (or New) Codex Maximum Residue Limits (CXLs)**

With their notification to data owners (or other interested parties) on the candidacy of chemicals for periodic review, governments and international organizations inquire of these parties their willingness to provide data for that review and as well as to advise them of the implications if they choose not to.

The invitation for a commitment will request a written response within six months to be provided to:

- Chairman, CCPR
- Chairman, Priorities Working Group
- JMPR Secretariats
- the requester (government or international organization representative) (Names, titles and addresses will be provided).

The invitation will request that the following information be provided in the response:

- a. A list of all commodities for which interested parties are willing to support CXLs.
- b. A brief summary of all current Good Agricultural Practice (GAP) which they are willing to provide and which is pertinent to residue data they are willing to provide (e.g. commodities and countries for which detailed GAP summaries and representative labels can be provided).
- c. A list of all chemistry (residue, metabolism, animal transfer, processing, analytical sample storage stability, analytical methods etc.) and toxicology studies and other data that they are willing to provide (regardless of whether previously provided) and the data they commit to make complete data package submissions to the JMPR. Comments on the status of registrations for the chemicals at the national level are encouraged. Data for which a submission is committed should be identified in the response by study or report title and number, author, date.



#### 4. Repeat the Notification and Invitation

By means of a Codex Circular Letter to accompany the report of the Meeting the Secretariat will repeat the notification and request. On receipt of the request by the Circular Letter, governments and international organizations will immediately repeat their notification and invitation to identified interested parties who may not have been represented at the CCPR (they would not have received the report of the Meeting and the accompanying Circular Letter). Interested parties need only respond to one of the request, but should copy addresses listed in item 3 above.

### PHASE II

#### STATUS REPORT ON DATA COMMITMENTS AND CCPR FOLLOW-UP (Year 2, CCPR Meeting)

1. **Status Report on Data Commitments** - The Priorities Working Group will provide a report and room document to the CCPR on the status of commitments received to provide data for each compound identified in year 1. This information will be used to schedule JMPR reviews or to make other recommendations such as withdrawal of CXLs.

#### 2. Response to Data Commitments

a. **If there is no commitment** – to provide and identify or develop data to support current CXLs, the CXL(s) will be recommended by the CCPR for withdrawal by the next session of the Codex Alimentarius Commission.

b. **If a commitment is made** – to provide and identify or develop data to support current CXLs, the MRL(s) are scheduled for JMPR review. The JMPR review will result in one of the following scenarios:

- Sufficient data are submitted to confirm the CXL and it remains in place.
- Sufficient data are submitted to support a new proposed MRL, it enters the process at Step 3 and the existing CXL is deleted automatically after no more than 4 years.

Insufficient data have been submitted to support a new MRL or to confirm the existing CXL, data submitters are so advised by written notification from the FAO Joint Secretary and/or by issuance of the JMPR Report.

On being advised of the data inadequacy, data submitters may be the next CCPR Meeting, provide to the FAO and the CCPR Secretaries a written commitment to generate and submit a complete dossier of required data for review within 4 years. The CXL is maintained for no more than 4 years following advice of data inadequacy (by direct notification or by issuance of the JMPR Report). The 4 year period may be extended by the CCPR only to the extent necessary for the JMPR to schedule and complete review of the available new data. The new data are scheduled for the second JMPR review and the first part of the PHASE II 2b procedure is repeated:

- Sufficient data are submitted to confirm the CXL and it remains in place.
- Sufficient data are submitted to support a new proposed MRL, it enters the process at Step 3. The CXL is automatically deleted no more than the 4 years after the new proposal enters the process.
- Insufficient data are submitted to confirm the CXL or support a proposed MRL the CCPR recommends deletion of the CXL.

c. If the committed data are not submitted, or if the data submitted for the initial periodic review are insufficient and no commitment is made by the next CCPR Meeting to generate new data, the CCPR recommends deletion of the CXL.

**SUMMARY OF PERIODIC REVIEW PROCEDURE FOR CODEX MRLS**

